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**CONESTOGA-ROVERS
& ASSOCIATES**651 Colby Drive, Waterloo, Ontario, Canada N2V 1C2
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www.CRAworld.com

March 10, 2011

Reference No. 056393

Mr. Michael Berkoff
Remedial Project Manager
U.S. Environmental Protection Agency - Region V
Superfund Division, Remedial Response Section #2
77 West Jackson Boulevard (SR - 6J)
Chicago, Illinois 60604 - 3590

Dear Mr. Berkoff:

Re: Remedial Action Monthly Progress Report No. 12 -February 2011
12th Street Landfill Operable Unit No. 4
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Allegan and Kalamazoo County

As required by Task 4, Progress Reports in the Statement of Work for the Remedial Design and Remedial Action at the 12th Street Landfill Operable Unit No. 4, please find attached the Progress Report No. 12 for the period of February 1, 2011 through February 28, 2011.

Should you have any questions or require any additional information, please do not hesitate to contact the undersigned.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Gregory A. Carli, P. E.

AS/cv/30

cc: J. Saric (U.S. EPA) - electronic only	R. Gay (Weyerhaeuser) - electronic only
L. Kirby-Miles (U.S. EPA) - electronic only	M. Lebo (Weyerhaeuser) - electronic only
S. Chummar (U.S. EPA) - electronic only	J. Jackowski (Weyerhaeuser) - electronic only
T. Prendiville (U.S. EPA) - electronic only	M. Erickson (Arcadis) - electronic only
S. Borries (U.S. EPA) - electronic only	D. Penniman (Arcadis) - electronic only
R. Frey (U.S. EPA) - electronic only	G. Griffith (Georgia-Pacific LLC) - electronic only
S. Hutsell (CH2MHILL) - electronic only	J. Keiser (CH2M Hill) - electronic only
P. Bucholtz (MDNRE) - three hard copies	J. Dembowske (CRA) - electronic only
K. Zakrzewski (MDNRE) - electronic only	A. Stadnyk (CRA) - electronic only

Remedial Action Progress Report No. 12
February 1, 2011 to February 28, 2011

Remedial Design and Remedial Action
12th Street Landfill, Operable Unit No. 4
Otsego, Michigan

This progress report is being submitted to the United States Environmental Protection Agency (U.S. EPA) in accordance with Task 4: Progress Reports and the Summary of Major Deliverables/Schedule contained in the Statement of Work for the Remedial Design and Remedial Action pursuant to the terms of the Consent Decree for the Design and Implementation of Certain Response Action at Operable Unit No. 4 and the Plainwell, Inc. Mill Property (Site) of the Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site (Consent Decree) which became effective February 22, 2005.

1. WORK PERFORMED

- On February 10, 2011, Progress Report No. 11 was submitted to the U.S. EPA. The January 2011 progress report included analytical results for a total of 33 confirmatory soil samples collected from the additional excavation conducted on the Wyoming Asphalt Plant property during the January 2011 reporting period.
- The following field activities were conducted during the February 2011 reporting period:
 - Installed the remaining groundwater monitoring well (MW-101S), in accordance with the amended VAS memorandum table, submitted to U.S. EPA on January 18, 2011.
 - Excavated utility trenches and installed new utility services for the Wyoming Asphalt office trailers.
 - Backfilled and restored the Wyoming Asphalt Plant property excavation areas.
 - Installed two new concrete slabs for the relocation of the Wyoming Asphalt Plant management office and on-Site laboratory.
 - Relocated and secured the Wyoming Asphalt Plant management office and on-Site laboratory trailers (Site trailers) to the concrete slabs.
 - Installed a new septic system for the Wyoming Asphalt Site trailers.
 - Connected new utilities services (e.g. electricity, natural gas, water, septic) within both trailers.
 - Refurbished and cleaned the Site trailers by completing a variety of repairs, maintenance and renovation tasks, including painting the interior of the management office trailer.
 - Began moving Wyoming Asphalt's office and laboratory property into the refurbished trailers.

**Remedial Action Progress Report No. 12
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**Remedial Design and Remedial Action
12th Street Landfill, Operable Unit No. 4
Otsego, Michigan**

2. DATA RECEIVED

- Available analytical results for the additional excavation conducted on the Wyoming Asphalt Plant property are presented as Attachment A. Analytical results were received for the two remaining confirmatory soil samples that were collected during the last day of the additional excavation activities during the February 2011 reporting period.

**3. MODIFICATIONS TO WORK PLANS OR OTHER SCHEDULES
PROPOSED TO, OR APPROVED BY, THE U.S. EPA**

- None.

4. PROBLEMS ENCOUNTERED AND PLANNED RESOLUTION

- CRA Services is currently on schedule after the completion of the Wyoming Asphalt Plant property activities. Remaining tasks will be scheduled to begin in late spring, depending on Site and weather conditions. Remaining tasks include inspecting the landfill for potential erosion issues caused by Site runoff during the spring thaw, and performing minor repairs to areas of the landfill directly adjacent to various monitoring wells, which were disturbed during the monitoring well installation activities.

5. WORK ANTICIPATED DURING THE NEXT REPORTING PERIOD

- In accordance with the approved Remedial Action Work Plan (RAWP), the following field activities are scheduled to commence during the March 2011 reporting period:
 - Complete the moving of Wyoming Asphalt's office and laboratory property into the refurbished Site trailers.
 - Demobilize all remaining CRA Services trailers and equipment from the Site.
 - Complete the development of the remaining monitoring wells, which is tentatively scheduled for the week of March 31, 2011, depending on weather conditions.

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12th Street Landfill, Operable Unit No. 4
Otsego, Michigan**

6. ANTICIPATED DEVELOPMENT WITH WORK DURING THE NEXT PERIOD

- The final development of the monitoring well network is tentatively scheduled for the week of March 31, 2011 and will be dependent on the weather conditions at the Site. Development of the monitoring wells will be completed at a time when Site activities will cause minimal to no damage to the landfill cap.

7. OTHER RELEVANT INFORMATION

- No other Site related information to report.

ATTACHMENT A

ANALYTICAL RESULTS

February 18, 2011

Analytical Report for Service Request No: K1100884

Paul Wiseman
Conestoga-Rovers & Associates, Incorporated
14496 Sheldon Rd.
Suite 200
Plymouth, MI 48170

RE: 12th St. Landfill/56393-07

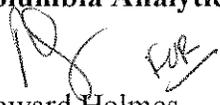
Dear Paul:

Enclosed are the results of the samples submitted to our laboratory on February 02, 2011. For your reference, these analyses have been assigned our service request number K1100884.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.caslab.com. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3364. You may also contact me via Email at HHolmes@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.
Howard Holmes
Project Chemist

HH/dlm

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Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated value that was detected outside the quantitation range.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.1 definition: Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.
- H In accordance with the 2007 EPA Methods Update Rule published in the Federal Register, the holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- J The result is an estimated value that was detected outside the quantitation range.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.1 definition: Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.
- Q See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated value that was detected outside the quantitation range.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.1 definition: Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

Columbia Analytical Services, Inc.
Kelso, WA
State Certifications, Accreditations, and Licenses

Program	Number
Alaska DEC UST	UST-040
Arizona DHS	AZ0339
Arkansas - DEQ	88-0637
California DHS	2286
Florida DOH	E87412
Hawaii DOH	-
Idaho DHW	-
Indiana DOH	C-WA-01
Louisiana DEQ	3016
Louisiana DHH	LA050010
Maine DHS	WA0035
Michigan DEQ	9949
Minnesota DOH	053-999-368
Montana DPHHS	CERT0047
Nevada DEP	WA35
New Jersey DEP	WA005
New Mexico ED	-
North Carolina DWQ	605
Oklahoma DEQ	9801
Oregon - DHS	WA200001
South Carolina DHEC	61002
Washington DOE	C1203
Wisconsin DNR	998386840
Wyoming (EPA Region 8)	-



Case Narrative

COLUMBIA ANALYTICAL SERVICES, INC.

Client: Conestoga-Rovers & Associates, Incorporated Service Request No.: K1100884
Project: 12th St. Landfill/56393-07 Date Received: 02/02/11
Sample Matrix: Soil

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier IV validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Two soil samples were received for analysis at Columbia Analytical Services on 02/02/11. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

PCB Aroclors by EPA Method 8082

Elevated Detection Limits:

Sample SO-56393-020111-EV-001 and associated matrix spikes required dilution due to the presence of elevated levels of target analyte. The reporting limits were adjusted to reflect the dilution.

Matrix Spike Recovery Exceptions:

The matrix spike recovery of Aroclor 1260 for SO-56393-020111-EV-001 was outside control criteria because of matrix interference. The problem stemmed from common peaks for Aroclor 1260 and 1254. Complete resolution of these two Aroclors was not possible, so a portion of Aroclor 1254 is unavoidably quantitated as Aroclor 1260. The net effect was a high bias to the value reported for Aroclor 1260. No further corrective action was appropriate.

No other anomalies associated with the analysis of these samples were observed.

Approved by _____



Date _____

2/18/11

Chain of Custody



CONESTOGA-ROVERS & ASSOCIATES

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

K1100884

PAGE 1 OF 1

Required Client Information:

Company: CRA, Inc.
 Address: 14496 Sheldon Rd.
 Suite 200
 Plymouth, MI 48170
 Phone: 734-453-5123
 Fax: 734-453-5201
 Email:

Report To: Paul Wiseman
 Copy To: A. Steynke
 Invoice To:
 P.O.:

Project Name: 12th St. Landfill
 Project Number: 56393-07

Laboratory: CAS
 Laboratory Location: Kelso, WA.
 Laboratory Contact:
 Requested Due Date:
 QA/QC Requirements:

TAT: STD

ID # No D 8073

SSOW Ref. Code:

Sample Identification:	Valid Matrix Codes: WG Groundwater WB Borehole Water WS Surface Water SO Soil SE Sediment See Back for Additional Codes	Matrix Code	Date Collected	Time Collected	# Containers	Preservative							Other:	Analysis and Method	Remarks/Lab ID	
						HCl	H2SO4	HNO3	NaOH	Unpreserved	HCl	H2SO4				HNO3
1. 50-56393-02011-EV-001		50	02011	1300	2											
2. + + 002		+	+	1315	2											
3. 00																
4.																
5.																
6.																
7.																
8.																
9.																
10.																
11.																
12.																
13.																
14.																
15.																

TOTAL NUMBER OF CONTAINERS: 4

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
FED EX	1	E. Varnos / CRA	2-1-11	1500	[Signature]	2/2/11	0925
AIRBILL NO.							

Sample Condition

Temp in C	Y / N
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments:

Sampler Name: E. Varnos
 Sampler Signature: [Signature]
 Date: 2-1-11

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Shipper GOLDENROD - Sampler Copy

**Columbia Analytical Services, Inc.
Cooler Receipt and Preservation Form**

PC HH

0884

Client / Project: CRA Service Request K11
 Received: 2/2/11 Opened: 2/2/11 By: UM Unloaded: 2/2/11 By: UM

Samples were received via? Mail Fed Ex UPS DHL PDX Courier Hand Delivered
 Samples were received in: (circle) Cooler Box Envelope Other _____ NA
 Were custody seals on coolers? NA Y N If yes, how many and where? 2 strips custody tape
 If present, were custody seals intact? Y N If present, were they signed and dated? Y N

Cooler Temp °C	Temp Blank °C	Thermometer ID	Cooler/COC ID	NA	Tracking Number	NA	Filed
-0.4	1.0	276					<input checked="" type="checkbox"/>

Packing material used. Inserts Baggies Bubble Wrap Gel Packs Wet Ice Sleeves Other _____
 Were custody papers properly filled out (ink, signed, etc.)? NA Y N
 Did all bottles arrive in good condition (unbroken)? *Indicate in the table below.* NA Y N
 Were all sample labels complete (i.e analysis, preservation, etc.)? NA Y N
 Did all sample labels and tags agree with custody papers? *Indicate major discrepancies in the table on page 2.* NA Y N
 Were appropriate bottles/containers and volumes received for the tests indicated? NA Y N
 Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA Y N
 Were VOA vials received without headspace? *Indicate in the table below.* NA Y N
 Was C12/Res negative? NA Y N

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count	Bottle Type	Out of Temp	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, & Resolutions: _____

Total Solids

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Conestoga-Rovers & Associates, Incorpora
Project: 12th St. Landfill/56393-07
Sample Matrix: Soil

Service Request: K1100884

Total Solids

Prep Method: NONE
Analysis Method: 160.3M
Test Notes:

Units: PERCENT
Basis: Wet

Sample Name	Lab Code	Date Collected	Date Received	Date Analyzed	Result	Result Notes
SO-56393-020111-EV-001	K1100884-001	02/01/2011	02/02/2011	02/10/2011	81.3	
SO-56393-020111-EV-002	K1100884-002	02/01/2011	02/02/2011	02/10/2011	92.9	

QA/QC Report

Client: Conestoga-Rovers & Associates, Incorpora
 Project: 12th St. Landfill/56393-07
 Sample Matrix: Soil

Service Request: K1100884
 Date Collected: 02/01/2011
 Date Received: 02/02/2011
 Date Analyzed: 02/10/2011

Duplicate Sample Summary
 Total Solids

Prep Method: NONE
 Analysis Method: 160.3M
 Test Notes:

Units: PERCENT
 Basis: Wet

Sample Name	Lab Code	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
SO-56393-020111-EV-001	K1100884-001	81.3	88.4	84.9	8	

COLUMBIA ANALYTICAL SERVICES, INC.

EPA Method 160.3 - Total Solids

235670

Group ID:	KWG1101316	Reviewed By:	<u>BDK</u>
Analyst:	SARWOOD	Date Reviewed:	<u>2/11/11</u>
Date Acquired:	02/10/2011 00:00	Oven TempStart:	105 DEGC
Date Completed:	02/11/2011 00:00	Oven TempEnd:	105 DEGC

#	Lab Code	Client ID	Matrix	Tare	Tare+Wet	Tare+Dry	% Solids	QC Ref Sample	Comments
1	K1100524-008	#1 PM and #2 PM Composite	PAPERBOA	1.33g	5.27g	5.06g	94.7		
2	K1100525-008	Composite	PAPERBOA	1.33g	2.89g	2.80g	94.2		
3	K1100573-007	Composite	PAPERBOA	1.32g	4.31g	4.19g	96.0		
4	K1100677-008	Composite	PAPERBOA	1.32g	5.03g	4.85g	95.1		
5	K1100719-008	Composite	PAPERBOA	1.32g	5.39g	5.19g	95.1		
6	K1100720-008	Composite	PAPERBOA	1.33g	4.68g	4.52g	95.2		
7	K1100722-007	Composite	PAPERBOA	1.33g	3.24g	3.13g	94.2		
8	K1100723-007	Composite	PAPERBOA	1.33g	4.32g	4.21g	96.3		
9	K1100728-001	Philadelphia SS Mill	SOLID FUEL	1.32g	3.43g	3.33g	95.3		
10	K1100728-002	Compactor	SOLID FUEL	1.33g	11.21g	5.82g	45.4		
11	K1100763-001	NWOD 1850A	SEDIMENT	1.33g	10.72g	6.73g	57.5		
12	K1100763-002	NWOD 1850B	SEDIMENT	1.32g	15.34g	11.28g	71.0		
13	K1100763-003	NWOD 3550A	SEDIMENT	1.32g	10.48g	6.32g	54.6		
14	K1100763-004	NWOD 3550A Composite	SEDIMENT	1.34g	7.60g	4.63g	52.6		
15	K1100763-005	NWOD 3350B	SEDIMENT	1.32g	10.42g	8.22g	75.8		
16	K1100808-008	Composite	PAPERBOA	1.31g	5.82g	5.66g	96.5		
17	K1100812-008	Composite	PAPERBOA	1.32g	5.70g	5.44g	94.1		

Group ID: KWG1101316
 Analyst: Sarwood
 Date Acquired: 02/10/2011 00:00
 Date Completed: 02/11/2011 00:00
 Oven TempStart: 105 DEG C
 Oven TempEnd: 105 DEG C
 Reviewed By: gdc
 Date Reviewed: 2/11/11

#	Lab Code	Client ID	Matrix	Tare	Tare+Wet	Tare+Dry	% Solids	QC Ref Sample	Comments
18	K1100817-001	Hoghtel	SOLID PUBI	1.32g	3.15g	2.98g	90.7		
19	K1100872-002	SIH10-A-Comp	SEDIMENT	1.31g	8.94g	5.05g	49.0		
20	K1100872-003	SIH10-B-Comp	SEDIMENT	1.33g	10.16g	4.78g	39.1		
21	K1100872-004	SIH10-C-Comp	SEDIMENT	1.34g	9.17g	4.51g	40.5		
22	K1100872-005	SIH11-PS-Comp	SEDIMENT	1.33g	8.79g	4.54g	43.0		
23	K1100872-006	SIH10-Ref	SEDIMENT	1.33g	9.32g	5.81g	56.1		
24	K1100884-001	SO-56393-020111-EV-001	SOIL	1.31g	9.13g	7.67g	83.3		
25	K1100884-002	SO-56393-020111-EV-002	SOIL	1.32g	13.09g	12.25g	92.9		
26	K1100929-001	BNSF450122/3	MISC. SOLID	1.31g	12.93g	12.93g	100		
27	K1100984-001	02012011	MISC. SOLID	1.30g	11.57g	10.66g	91.1		
28	K1100984-002	02022011	MISC. SOLID	1.31g	13.39g	10.12g	72.9		
29	K1100984-003	02032011	MISC. SOLID	1.30g	8.67g	7.21g	80.2		
30	K1100984-004	02042011	MISC. SOLID	1.29g	9.83g	7.79g	76.1		
31	K1100986-001	ADR-DU1-COMP	SEDIMENT	1.30g	11.71g	5.61g	41.4		
32	K1100986-002	ADR-DU2-COMP	SEDIMENT	1.33g	10.66g	5.31g	42.7		
33	K1100986-003	ADR-DU3-COMP	SEDIMENT	1.33g	14.84g	6.71g	39.8		
34	KWG1101316-1	Duplicate Client Sample	PAPERBOA	1.34g	5.44g	5.24g	95.1	K1100524-008	PPD = L
35	KWG1101316-10	Duplicate Client Sample	SEDIMENT	1.33g	11.17g	7.07g	58.3	K1100763-001	1
36	KWG1101316-11	Duplicate Client Sample	PAPERBOA	1.32g	5.88g	5.69g	95.8	K1100808-008	21
37	KWG1101316-12	Duplicate Client Sample	PAPERBOA	1.33g	5.40g	5.15g	93.9	K1100812-008	21
38	KWG1101316-13	Duplicate Client Sample	SEDIMENT	1.35g	13.96g	7.64g	49.9	K1100872-002	2
39	KWG1101316-14	Duplicate Client Sample	SOIL	1.32g	11.49g	10.31g	88.4	K1100884-001	8
40	KWG1101316-15	Duplicate Client Sample	MISC. SOLID	1.31g	12.04g	12.04g	100	K1100929-001	21
41	KWG1101316-16	Duplicate Client Sample	SEDIMENT	1.31g	11.25g	5.51g	42.3	K1100986-001	2

Group ID: KWG1101316
 Analyst: Sarwood
 Date Acquired: 02/10/2011 00:00
 Date Completed: 02/11/2011 00:00
 Oven TempStart: 105 DEGC
 Oven TempEnd: 105 DEGC
 Reviewed By: BOE
 Date Reviewed: 2/11/11

#	Lab Code	Client ID	Matrix	Tare	Tare+Wet	Tare+Dry	% Solids	QC Ref Sample	Comments
42	KWG1101316-2	Duplicate Client Sample	PAPERBOA	1.33g	2.79g	2.73g	95.9	K1100525-008	ADD = 2
43	KWG1101316-3	Duplicate Client Sample	PAPERBOA	1.33g	3.66g	3.57g	96.1	K1100573-007	<1
44	KWG1101316-4	Duplicate Client Sample	PAPERBOA	1.34g	4.47g	4.32g	95.2	K1100677-008	<1
45	KWG1101316-5	Duplicate Client Sample	PAPERBOA	1.33g	5.47g	5.27g	95.2	K1100719-008	<1
46	KWG1101316-6	Duplicate Client Sample	PAPERBOA	1.32g	6.18g	5.97g	95.7	K1100720-008	<1
47	KWG1101316-7	Duplicate Client Sample	PAPERBOA	1.33g	3.38g	3.29g	95.6	K1100722-007	1
48	KWG1101316-8	Duplicate Client Sample	PAPERBOA	1.33g	4.53g	4.41g	96.3	K1100723-007	<1
49	KWG1101316-9	Duplicate Client Sample	SOLID FUEL	1.33g	3.44g	3.33g	94.8	K1100728-001	<1

Polychlorinated Biphenyls

Organic Analysis:
Polychlorinated Biphenyls (PCBs)

Summary Package

Sample and QC Results

Client: Conestoga-Rovers & Associates, Incorpara
 Project: 12th St. Landfill/56393-07

Service Request: K1100884

Cover Page - Organic Analysis Data Package
 Polychlorinated Biphenyls (PCBs)

Sample Name	Lab Code	Date Collected	Date Received
SO-56393-020111-EV-001	K1100884-001	02/01/2011	02/02/2011
SO-56393-020111-EV-002	K1100884-002	02/01/2011	02/02/2011
SO-56393-020111-EV-001MS	KWG1101157-1	02/01/2011	02/02/2011
SO-56393-020111-EV-001DMS	KWG1101157-2	02/01/2011	02/02/2011

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Loren S. Portwood

Name: Loren Portwood

Date: 2/18/11

Title: Scientist

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Conestoga-Rovers & Associates, Incorpora
Project: 12th St. Landfill/56393-07
Sample Matrix: Soil

Service Request: K1100884
Date Collected: 02/01/2011
Date Received: 02/02/2011

Polychlorinated Biphenyls (PCBs)

Sample Name: SO-56393-020111-EV-001
Lab Code: K1100884-001
Extraction Method: EPA 3541
Analysis Method: 8082A

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	62	21	10	02/04/11	02/07/11	KWG1101157	
Aroclor 1221	ND	U	130	21	10	02/04/11	02/07/11	KWG1101157	
Aroclor 1232	ND	U	62	21	10	02/04/11	02/07/11	KWG1101157	
Aroclor 1242	ND	U	62	21	10	02/04/11	02/07/11	KWG1101157	
Aroclor 1248	ND	U	62	21	10	02/04/11	02/07/11	KWG1101157	
Aroclor 1254	990	D	62	21	10	02/04/11	02/07/11	KWG1101157	
Aroclor 1260	ND	U	62	21	10	02/04/11	02/07/11	KWG1101157	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	111	35-133	02/07/11	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Conestoga-Rovers & Associates, Incorpora
Project: 12th St. Landfill/56393-07
Sample Matrix: Soil

Service Request: K1100884
Date Collected: 02/01/2011
Date Received: 02/02/2011

Polychlorinated Biphenyls (PCBs)

Sample Name: SO-56393-020111-EV-002
Lab Code: K1100884-002
Extraction Method: EPA 3541
Analysis Method: 8082A

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	5.4	2.1	1	02/04/11	02/07/11	KWG1101157	
Aroclor 1221	ND	U	11	2.1	1	02/04/11	02/07/11	KWG1101157	
Aroclor 1232	ND	U	5.4	2.1	1	02/04/11	02/07/11	KWG1101157	
Aroclor 1242	ND	U	5.4	2.1	1	02/04/11	02/07/11	KWG1101157	
Aroclor 1248	ND	U	5.4	2.1	1	02/04/11	02/07/11	KWG1101157	
Aroclor 1254	ND	U	5.4	2.1	1	02/04/11	02/07/11	KWG1101157	
Aroclor 1260	ND	U	5.4	2.1	1	02/04/11	02/07/11	KWG1101157	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	80	35-133	02/07/11	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Conestoga-Rovers & Associates, Incorporated
Project: 12th St. Landfill/56393-07
Sample Matrix: Soil

Service Request: K1100884
Date Collected: NA
Date Received: NA

Polychlorinated Biphenyls (PCBs)

Sample Name: Method Blank
Lab Code: KWG1101157-4
Extraction Method: EPA 3541
Analysis Method: 8082A

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	5.0	2.1	1	02/04/11	02/07/11	KWG1101157	
Aroclor 1221	ND	U	10	2.1	1	02/04/11	02/07/11	KWG1101157	
Aroclor 1232	ND	U	5.0	2.1	1	02/04/11	02/07/11	KWG1101157	
Aroclor 1242	ND	U	5.0	2.1	1	02/04/11	02/07/11	KWG1101157	
Aroclor 1248	ND	U	5.0	2.1	1	02/04/11	02/07/11	KWG1101157	
Aroclor 1254	ND	U	5.0	2.1	1	02/04/11	02/07/11	KWG1101157	
Aroclor 1260	ND	U	5.0	2.1	1	02/04/11	02/07/11	KWG1101157	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	89	35-133	02/07/11	Acceptable

Comments: _____

Client: Conestoga-Rovers & Associates, Incorpora
 Project: 12th St. Landfill/56393-07
 Sample Matrix: Soil

Service Request: K1100884

**Surrogate Recovery Summary
 Polychlorinated Biphenyls (PCBs)**

Extraction Method: EPA 3541
 Analysis Method: 8082A

Units: PERCENT
 Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>
SO-56393-020111-EV-001	K1100884-001	111 D
SO-56393-020111-EV-002	K1100884-002	80
Method Blank	KWG1101157-4	89
SO-56393-020111-EV-001MS	KWG1101157-1	128 D
SO-56393-020111-EV-001DMS	KWG1101157-2	119 D
Lab Control Sample	KWG1101157-3	86

Surrogate Recovery Control Limits (%)

Sur1 = Decachlorobiphenyl 35-133

Results flagged with an asterisk (*) indicate values outside control criteria.
 Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Conestoga-Rovers & Associates, Incorpora
Project: 12th St. Landfill/56393-07
Sample Matrix: Soil

Service Request: K1100884
Date Extracted: 02/04/2011
Date Analyzed: 02/07/2011

**Matrix Spike/Duplicate Matrix Spike Summary
 Polychlorinated Biphenyls (PCBs)**

Sample Name: SO-56393-020111-EV-001
Lab Code: K1100884-001
Extraction Method: EPA 3541
Analysis Method: 8082A

Units: ug/Kg
Basis: Dry
Level: Low
Extraction Lot: KWG1101157

Analyte Name	Sample Result	SO-56393-020111-EV-001 MS KWG1101157-1 Matrix Spike			SO-56393-020111-EV-001 DMS KWG1101157-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Aroclor 1016	ND	162	123	132	178	123	145	27-174	10	40
Aroclor 1260	ND	635	123	517 *	669	123	545 *	20-185	5	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Conestoga-Rovers & Associates, Incorpara
Project: 12th St. Landfill/56393-07
Sample Matrix: Soil

Service Request: K1100884
Date Extracted: 02/04/2011
Date Analyzed: 02/07/2011

**Lab Control Spike Summary
 Polychlorinated Biphenyls (PCBs)**

Extraction Method: EPA 3541
Analysis Method: 8082A

Units: ug/Kg
Basis: Dry
Level: Low
Extraction Lot: KWG1101157

Lab Control Sample
 KWG1101157-3
 Lab Control Spike

Analyte Name	Result	Expected	%Rec	%Rec Limits
Aroclor 1016	165	200	82	48-121
Aroclor 1260	173	200	87	53-129

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Conestoga-Rovers & Associates, Incorpora
Project: 12th St. Landfill/56393-07
Sample Matrix: Soil

Service Request: K1100884
Date Extracted: 02/04/2011
Date Analyzed: 02/07/2011
Time Analyzed: 21:18

**Method Blank Summary
 Polychlorinated Biphenyls (PCBs)**

Sample Name: Method Blank	File ID: J:\GC09\DATA\020711.B\0207F009.D
Lab Code: KWG1101157-4	Instrument ID: GC09.i
Extraction Method: EPA 3541	Level: Low
Analysis Method: 8082A	Extraction Lot: KWG1101157

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG1101157-3	J\GC09\DATA\020711.B\0207F008.D	02/07/11	20:52
SO-56393-020111-EV-002	K1100884-002	J\GC09\DATA\020711.B\0207F010.D	02/07/11	21:45
SO-56393-020111-EV-001	K1100884-001	J\GC09\DATA\020711.B\0207F011.D	02/07/11	22:11
SO-56393-020111-EV-001MS	KWG1101157-1	J\GC09\DATA\020711.B\0207F012.D	02/07/11	22:38
SO-56393-020111-EV-001DMS	KWG1101157-2	J\GC09\DATA\020711.B\0207F013.D	02/07/11	23:05

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Conestoga-Rovers & Associates, Incorpara
Project: 12th St. Landfill/56393-07
Sample Matrix: Soil

Service Request: K1100884
Date Extracted: 02/04/2011
Date Analyzed: 02/07/2011
Time Analyzed: 20:52

**Lab Control Sample Summary
 Polychlorinated Biphenyls (PCBs)**

Sample Name: Lab Control Sample **File ID:** J:\GC09\DATA\020711.B\0207F008.D
Lab Code: KWG1101157-3 **Instrument ID:** GC09.i
Extraction Method: EPA 3541 **Level:** Low
Analysis Method: 8082A **Extraction Lot:** KWG1101157

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1101157-4	J:\GC09\DATA\020711.B\0207F009.D	02/07/11	21:18
SO-56393-020111-EV-002	K1100884-002	J:\GC09\DATA\020711.B\0207F010.D	02/07/11	21:45
SO-56393-020111-EV-001	K1100884-001	J:\GC09\DATA\020711.B\0207F011.D	02/07/11	22:11
SO-56393-020111-EV-001MS	KWG1101157-1	J:\GC09\DATA\020711.B\0207F012.D	02/07/11	22:38
SO-56393-020111-EV-001DMS	KWG1101157-2	J:\GC09\DATA\020711.B\0207F013.D	02/07/11	23:05

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Conestoga-Rovers & Associates, Incorpora
Project: 12th St. Landfill/56393-07

Service Request: K1100884
Calibration Date: 10/27/2010

**Initial Calibration Summary
 Polychlorinated Biphenyls (PCBs)**

Calibration ID: CAL9990
Instrument ID: GC09.i

Column: DB-35MS

Level ID	File ID	Level ID	File ID
A	\\cash1\acqdata\GC09\data\102610.B\1026F003.D	Q	\\cash1\acqdata\GC09\data\102610.B\1026F019.D
B	\\cash1\acqdata\GC09\data\102610.B\1026F004.D	R	\\cash1\acqdata\GC09\data\102610.B\1026F020.D
C	\\cash1\acqdata\GC09\data\102610.B\1026F005.D	S	\\cash1\acqdata\GC09\data\102610.B\1026F021.D
D	\\cash1\acqdata\GC09\data\102610.B\1026F006.D	T	\\cash1\acqdata\GC09\data\102610.B\1026F022.D
E	\\cash1\acqdata\GC09\data\102610.B\1026F007.D	U	\\cash1\acqdata\GC09\data\102610.B\1026F023.D
F	\\cash1\acqdata\GC09\data\102610.B\1026F008.D	V	\\cash1\acqdata\GC09\data\102610.B\1026F024.D
G	\\cash1\acqdata\GC09\data\102610.B\1026F009.D	W	\\cash1\acqdata\GC09\data\102610.B\1026F025.D
H	\\cash1\acqdata\GC09\data\102610.B\1026F010.D	X	\\cash1\acqdata\GC09\data\102610.B\1026F026.D
I	\\cash1\acqdata\GC09\data\102610.B\1026F011.D	Y	\\cash1\acqdata\GC09\data\102610.B\1026F027.D
J	\\cash1\acqdata\GC09\data\102610.B\1026F012.D	Z	\\cash1\acqdata\GC09\data\102610.B\1026F028.D
K	\\cash1\acqdata\GC09\data\102610.B\1026F013.D	AA	\\cash1\acqdata\GC09\data\102610.B\1026F029.D
L	\\cash1\acqdata\GC09\data\102610.B\1026F014.D	AB	\\cash1\acqdata\GC09\data\102610.B\1026F030.D
M	\\cash1\acqdata\GC09\data\102610.B\1026F015.D	AC	\\cash1\acqdata\GC09\data\102610.B\1026F031.D
N	\\cash1\acqdata\GC09\data\102610.B\1026F016.D	AD	\\cash1\acqdata\GC09\data\102610.B\1026F032.D
O	\\cash1\acqdata\GC09\data\102610.B\1026F017.D		
P	\\cash1\acqdata\GC09\data\102610.B\1026F018.D		

Analyte Name	Level			Level			Level			Level			Level		
	ID	Amt	RF	ID	Amt	RF	ID	Amt	RF	ID	Amt	RF	ID	Amt	RF
Decachlorobiphenyl	A	2.5	6450	B	5.0	6260	C	50	5380	D	100	4900	E	200	4290
	F	500	3940												
Aroclor 1016 {1}	A	25	70.0	B	50	73.3	C	500	73.9	D	1000	65.8	E	2000	58.7
	F	5000	54.5												
Aroclor 1016 {2}	A	25	128	B	50	130	C	500	129	D	1000	115	E	2000	102
	F	5000	91.2												
Aroclor 1016 {3}	A	25	289	B	50	293	C	500	250	D	1000	227	E	2000	198
	F	5000	178												
Aroclor 1016 {4}	A	25	129	B	50	137	C	500	126	D	1000	114	E	2000	101
	F	5000	94.2												
Aroclor 1016 {5}	A	25	197	B	50	196	C	500	180	D	1000	160	E	2000	140
	F	5000	126												
Aroclor 1260 {1}	A	25	478	B	50	464	C	500	372	D	1000	341	E	2000	299
Aroclor 1260 {2}	A	25	481	B	50	468	C	500	407	D	1000	362	E	2000	331
Aroclor 1260 {3}	A	25	278	B	50	275	C	500	241	D	1000	226	E	2000	198
Aroclor 1260 {4}	A	25	238	B	50	264	C	500	240	D	1000	227	E	2000	207

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Conestoga-Rovers & Associates, Incorpora
Project: 12th St. Landfill/56393-07

Service Request: K1100884
Calibration Date: 10/27/2010

**Initial Calibration Summary
 Polychlorinated Biphenyls (PCBs)**

Calibration ID: CAL9990
Instrument ID: GC09.i

Column: DB-35MS

Analyte Name	Level			Level			Level			Level					
	ID	Amt	RF	ID	Amt	RF	ID	Amt	RF	ID	Amt	RF			
Aroclor 1260 {5}	A	25	530	B	50	534	C	500	503	D	1000	463	E	2000	420

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Conestoga-Rovers & Associates, Incorpara
Project: 12th St. Landfill/56393-07

Service Request: K1100884
Calibration Date: 10/27/2010

**Initial Calibration Summary
 Polychlorinated Biphenyls (PCBs)**

Calibration ID: CAL9990
Instrument ID: GC09.i

Column: DB-35MS

Analyte Name	Compound Type	Calibration Evaluation				Control Criteria
		Fit Type	Eval.	Eval. Result	Q	
Decachlorobiphenyl	SURR	AverageRF	% RSD	19.7		≤ 20
Aroclor 1016 {1}	MULTI	AverageRF	% RSD	12.1		≤ 20
Aroclor 1016 {2}	MULTI	AverageRF	% RSD	14.1		≤ 20
Aroclor 1016 {3}	MULTI	AverageRF	% RSD	19.6		≤ 20
Aroclor 1016 {4}	MULTI	AverageRF	% RSD	14.4		≤ 20
Aroclor 1016 {5}	MULTI	AverageRF	% RSD	17.7		≤ 20
Aroclor 1260 {1}	MULTI	AverageRF	% RSD	19.9		≤ 20
Aroclor 1260 {2}	MULTI	AverageRF	% RSD	15.9		≤ 20
Aroclor 1260 {3}	MULTI	AverageRF	% RSD	13.9		≤ 20
Aroclor 1260 {4}	MULTI	AverageRF	% RSD	8.8		≤ 20
Aroclor 1260 {5}	MULTI	AverageRF	% RSD	9.9		≤ 20

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Conestoga-Rovers & Associates, Incorpora
 Project: 12th St. Landfill/56393-07

Service Request: K1100884
 Calibration Date: 10/27/2010
 Date Analyzed: 10/27/2010

Second Source Calibration Verification
 Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
 Analysis Method: 8082A

Calibration ID: CAL9990
 Units: ng/mL

File ID: \\cash1\acqdata\GC09\data\102610.B\1026F033.D
 \\cash1\acqdata\GC09\data\102610.B\1026F034.D
 \\cash1\acqdata\GC09\data\102610.B\1026F035.D
 \\cash1\acqdata\GC09\data\102610.B\1026F036.D
 \\cash1\acqdata\GC09\data\102610.B\1026F037.D
 \\cash1\acqdata\GC09\data\102610.B\1026F038.D
 \\cash1\acqdata\GC09\data\102610.B\1026F039.D
 \\cash1\acqdata\GC09\data\102610.B\1026F040.D
 \\cash1\acqdata\GC09\data\102610.B\1026F041.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Aroclor 1016 {1}	1000	1000	66.0	66.5	1	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	970	116	113	-3	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	940	239	225	-6	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	980	117	114	-2	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	960	167	159	-4	NA	± 100 %	AverageRF
Aroclor 1016	1000	970	NA	NA	NA	-3	± 20 %	NA
Aroclor 1260 {1}	1000	1000	391	395	1	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	950	410	388	-5	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1200	243	304	25	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1200	235	292	24	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1200	490	608	24	NA	± 100 %	AverageRF
Aroclor 1260	1000	1100	NA	NA	NA	14	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound

‡ CCC Compound

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Conestoga-Rovers & Associates, Incorpora
Project: 12th St. Landfill/56393-07

Service Request: K1100884
Calibration Date: 10/27/2010

**Initial Calibration Summary
 Polychlorinated Biphenyls (PCBs)**

Calibration ID: CAL9990
Instrument ID: GC09.i

Column: DB-XLB

Level ID	File ID	Level ID	File ID
A	\\cash1\acqdata\GC09\data\102610_r.b\1026R003.D	Q	\\cash1\acqdata\GC09\data\102610_r.b\1026R019.D
B	\\cash1\acqdata\GC09\data\102610_r.b\1026R004.D	R	\\cash1\acqdata\GC09\data\102610_r.b\1026R020.D
C	\\cash1\acqdata\GC09\data\102610_r.b\1026R005.D	S	\\cash1\acqdata\GC09\data\102610_r.b\1026R021.D
D	\\cash1\acqdata\GC09\data\102610_r.b\1026R006.D	T	\\cash1\acqdata\GC09\data\102610_r.b\1026R022.D
E	\\cash1\acqdata\GC09\data\102610_r.b\1026R007.D	U	\\cash1\acqdata\GC09\data\102610_r.b\1026R023.D
F	\\cash1\acqdata\GC09\data\102610_r.b\1026R008.D	V	\\cash1\acqdata\GC09\data\102610_r.b\1026R024.D
G	\\cash1\acqdata\GC09\data\102610_r.b\1026R009.D	W	\\cash1\acqdata\GC09\data\102610_r.b\1026R025.D
H	\\cash1\acqdata\GC09\data\102610_r.b\1026R010.D	X	\\cash1\acqdata\GC09\data\102610_r.b\1026R026.D
I	\\cash1\acqdata\GC09\data\102610_r.b\1026R011.D	Y	\\cash1\acqdata\GC09\data\102610_r.b\1026R027.D
J	\\cash1\acqdata\GC09\data\102610_r.b\1026R012.D	Z	\\cash1\acqdata\GC09\data\102610_r.b\1026R028.D
K	\\cash1\acqdata\GC09\data\102610_r.b\1026R013.D	AA	\\cash1\acqdata\GC09\data\102610_r.b\1026R029.D
L	\\cash1\acqdata\GC09\data\102610_r.b\1026R014.D	AB	\\cash1\acqdata\GC09\data\102610_r.b\1026R030.D
M	\\cash1\acqdata\GC09\data\102610_r.b\1026R015.D	AC	\\cash1\acqdata\GC09\data\102610_r.b\1026R031.D
N	\\cash1\acqdata\GC09\data\102610_r.b\1026R016.D	AD	\\cash1\acqdata\GC09\data\102610_r.b\1026R032.D
O	\\cash1\acqdata\GC09\data\102610_r.b\1026R017.D		
P	\\cash1\acqdata\GC09\data\102610_r.b\1026R018.D		

Analyte Name	Level ID			Level ID			Level ID			Level ID			Level ID		
	ID	Amt	RF	ID	Amt	RF	ID	Amt	RF	ID	Amt	RF	ID	Amt	RF
Decachlorobiphenyl	A	2.5	6620	B	5.0	6560	C	50	5950	D	100	5340	E	200	4660
	F	500	4210												
Aroclor 1016 {1}	A	25	197	B	50	209	C	500	185	D	1000	158	E	2000	140
	F	5000	125												
Aroclor 1016 {2}	A	25	159	B	50	170	C	500	188	D	1000	172	E	2000	153
	F	5000	143												
Aroclor 1016 {3}	A	25	145	B	50	149	C	500	146	D	1000	130	E	2000	113
	F	5000	103												
Aroclor 1016 {4}	A	25	171	B	50	176	C	500	166	D	1000	150	E	2000	131
	F	5000	118												
Aroclor 1016 {5}	A	25	149	B	50	161	C	500	153	D	1000	138	E	2000	122
	F	5000	110												
Aroclor 1260 {1}	A	25	298	B	50	312	C	500	291	D	1000	260	E	2000	230
	F	5000	213												
Aroclor 1260 {2}	A	25	365	B	50	360	C	500	320	D	1000	285	E	2000	251
	F	5000	234												
Aroclor 1260 {3}	A	25	381	B	50	406	C	500	401	D	1000	369	E	2000	334
	F	5000	318												
Aroclor 1260 {4}	A	25	240	B	50	246	C	500	266	D	1000	248	E	2000	235
	F	5000	220												

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Conestoga-Rovers & Associates, Incorpora
Project: 12th St. Landfill/56393-07

Service Request: K1100884
Calibration Date: 10/27/2010

**Initial Calibration Summary
 Polychlorinated Biphenyls (PCBs)**

Calibration ID: CAL9990
Instrument ID: GC09.i

Column: DB-XLB

Analyte Name	Level			Level			Level			Level					
	ID	Amt	RF	ID	Amt	RF	ID	Amt	RF	ID	Amt	RF			
Aroclor 1260 {5}	A	25	534	B	50	504	C	500	465	D	1000	430	E	2000	391
	F	5000	373												

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Conestoga-Rovers & Associates, Incorporated
Project: 12th St. Landfill/56393-07

Service Request: K1100884
Calibration Date: 10/27/2010

**Initial Calibration Summary
 Polychlorinated Biphenyls (PCBs)**

Calibration ID: CAL9990
Instrument ID: GC09.i

Column: DB-XLB

Analyte Name	Compound Type	Calibration Evaluation				Control Criteria
		Fit Type	Eval.	Eval. Result	Q	
Decachlorobiphenyl	SURR	AverageRF	% RSD	17.9		≤20
Aroclor 1016 {1}	MULTI	AverageRF	% RSD	19.7		≤20
Aroclor 1016 {2}	MULTI	AverageRF	% RSD	9.7		≤20
Aroclor 1016 {3}	MULTI	AverageRF	% RSD	14.5		≤20
Aroclor 1016 {4}	MULTI	AverageRF	% RSD	15.5		≤20
Aroclor 1016 {5}	MULTI	AverageRF	% RSD	14.0		≤20
Aroclor 1260 {1}	MULTI	AverageRF	% RSD	14.9		≤20
Aroclor 1260 {2}	MULTI	AverageRF	% RSD	18.2		≤20
Aroclor 1260 {3}	MULTI	AverageRF	% RSD	9.6		≤20
Aroclor 1260 {4}	MULTI	AverageRF	% RSD	6.4		≤20
Aroclor 1260 {5}	MULTI	AverageRF	% RSD	14.1		≤20

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Conestoga-Rovers & Associates, Incorpora
Project: 12th St. Landfill/56393-07

Service Request: K1100884
Calibration Date: 10/27/2010
Date Analyzed: 10/27/2010

**Second Source Calibration Verification
 Polychlorinated Biphenyls (PCBs)**

Calibration Type: External Standard
Analysis Method: 8082A

Calibration ID: CAL9990
Units: ng/mL

File ID: \\cash1\acqdata\GC09\data\102610_r.b\1026R033.D
 \\cash1\acqdata\GC09\data\102610_r.b\1026R034.D
 \\cash1\acqdata\GC09\data\102610_r.b\1026R035.D
 \\cash1\acqdata\GC09\data\102610_r.b\1026R036.D
 \\cash1\acqdata\GC09\data\102610_r.b\1026R037.D
 \\cash1\acqdata\GC09\data\102610_r.b\1026R038.D
 \\cash1\acqdata\GC09\data\102610_r.b\1026R039.D
 \\cash1\acqdata\GC09\data\102610_r.b\1026R040.D
 \\cash1\acqdata\GC09\data\102610_r.b\1026R041.D

Column ID: DB-XLB

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Aroclor 1016 {1}	1000	930	169	157	-7	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1000	164	165	0	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	930	131	121	-7	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	940	152	143	-6	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	960	139	133	-4	NA	± 100 %	AverageRF
Aroclor 1016	1000	950	NA	NA	NA	-5	± 20 %	NA
Aroclor 1260 {1}	1000	1100	267	297	11	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	1100	303	330	9	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1100	368	389	6	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1200	243	301	24	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1200	449	560	25	NA	± 100 %	AverageRF
Aroclor 1260	1000	1100	NA	NA	NA	15	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound

‡ CCC Compound

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Conestoga-Rovers & Associates, Incorpore
 Project: 12th St. Landfill/56393-07

Service Request: K1100884
 Date Analyzed: 02/07/2011

Continuing Calibration Verification Summary
 Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
 Analysis Method: 8082A

Calibration Date: 10/27/2010
 Calibration ID: CAL9990
 Analysis Lot: KWG1101442
 Units: ng/mL
 Column ID: DB-35MS

File ID: \\CASH1\ACQUDATA\GC09\DATA\020711.B\0207F006.D

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	90	5200	4670	-10	NA	± 20 %	AverageRF
Aroclor 1016 {1}	1000	1000	66.0	66.7	1	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1100	116	126	9	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	1000	239	245	2	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	900	117	105	-10	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	1100	167	180	8	NA	± 100 %	AverageRF
Aroclor 1016	1000	1000	NA	NA	NA	2	± 20 %	NA
Aroclor 1260 {1}	1000	940	391	367	-6	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	900	410	367	-10	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	990	243	241	-1	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1000	235	238	1	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	890	490	437	-11	NA	± 100 %	AverageRF
Aroclor 1260	1000	950	NA	NA	NA	-5	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Conestoga-Rovers & Associates, Incorpora
Project: 12th St. Landfill/56393-07

Service Request: K1100884
Date Analyzed: 02/07/2011

**Continuing Calibration Verification Summary
 Polychlorinated Biphenyls (PCBs)**

Calibration Type: External Standard
Analysis Method: 8082A

Calibration Date: 10/27/2010
Calibration ID: CAL9990
Analysis Lot: KWG1101442
Units: ng/mL
Column ID: DB-XLB

File ID: \\CASHI\ACQU\DATA\GC09\DATA\020711_R.B\0207R006.D

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	96	5560	5340	-4	NA	± 20 %	AverageRF
Aroclor 1016 {1}	1000	1000	169	171	1	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1100	164	178	8	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	1100	131	141	8	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	1100	152	163	7	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	1100	139	150	8	NA	± 100 %	AverageRF
Aroclor 1016	1000	1100	NA	NA	NA	7	± 20 %	NA
Aroclor 1260 {1}	1000	1000	267	277	4	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	960	303	289	-4	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	990	368	364	-1	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1000	243	253	4	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	910	449	409	-9	NA	± 100 %	AverageRF
Aroclor 1260	1000	990	NA	NA	NA	-1	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Conestoga-Rovers & Associates, Incorpara
Project: 12th St. Landfill/56393-07

Service Request: K1100884
Date Analyzed: 02/08/2011

**Continuing Calibration Verification Summary
 Polychlorinated Biphenyls (PCBs)**

Calibration Type: External Standard
Analysis Method: 8082A

Calibration Date: 10/27/2010
Calibration ID: CAL9990
Analysis Lot: KWG1101442
Units: ng/mL
Column ID: DB-35MS

File ID: \\CASH1\ACQU\DATA\GC09\DATA\020711.B\0207F016.D

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	95	5200	4940	-5	NA	± 20 %	AverageRF
Aroclor 1016 {1}	1000	1100	66.0	71.6	8	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1100	116	125	8	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	1100	239	254	6	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	990	117	116	-1	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	1100	167	185	11	NA	± 100 %	AverageRF
Aroclor 1016	1000	1100	NA	NA	NA	7	± 20 %	NA
Aroclor 1260 {1}	1000	980	391	383	-2	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	940	410	385	-6	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1000	243	252	4	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1100	235	248	6	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	950	490	466	-5	NA	± 100 %	AverageRF
Aroclor 1260	1000	990	NA	NA	NA	-1	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Conestoga-Rovers & Associates, Incorpora
Project: 12th St. Landfill/56393-07

Service Request: K1100884
Date Analyzed: 02/08/2011

**Continuing Calibration Verification Summary
 Polychlorinated Biphenyls (PCBs)**

Calibration Type: External Standard
Analysis Method: 8082A

Calibration Date: 10/27/2010
Calibration ID: CAL9990
Analysis Lot: KWG1101442
Units: ng/mL
Column ID: DB-XLB

File ID: \\CASH1\ACQU\DATA\GC09\DATA\020711_R.B\0207R016.D

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	99	5560	5500	-1	NA	± 20 %	AverageRF
Aroclor 1016 {1}	1000	1000	169	170	1	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1100	164	178	8	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	1100	131	141	8	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	1100	152	161	6	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	1100	139	148	6	NA	± 100 %	AverageRF
Aroclor 1016	1000	1100	NA	NA	NA	6	± 20 %	NA
Aroclor 1260 {1}	1000	1000	267	279	4	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	990	303	300	-1	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1000	368	376	2	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1100	243	260	7	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	950	449	426	-5	NA	± 100 %	AverageRF
Aroclor 1260	1000	1000	NA	NA	NA	2	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Conestoga-Rovers & Associates, Incorpora
Project: 12th St. Landfill/56393-07

Service Request: K1100884

**Analysis Run Log
 Polychlorinated Biphenyls (PCBs)**

Analysis Method: 8082A

Analysis Lot: KWG1101442
Instrument ID: GC09.i
Column: DB-35MS

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0207F006.D	Continuing Calibration Verification	KWG1101442-1	2/7/2011	19:58		2/7/2011	19:58
0207F007.D	Instrument Blank	KWG1101442-2	2/7/2011	20:25		2/7/2011	20:25
0207F008.D	Lab Control Sample	KWG1101157-3	2/7/2011	20:52		2/7/2011	20:52
0207F009.D	Method Blank	KWG1101157-4	2/7/2011	21:18		2/7/2011	21:18
0207F010.D	SO-56393-020111-EV-002	K1100884-002	2/7/2011	21:45		2/7/2011	21:45
0207F011.D	SO-56393-020111-EV-001	K1100884-001	2/7/2011	22:11		2/7/2011	22:11
0207F012.D	SO-56393-020111-EV-001MS	KWG1101157-1	2/7/2011	22:38		2/7/2011	22:38
0207F013.D	SO-56393-020111-EV-001DMS	KWG1101157-2	2/7/2011	23:05		2/7/2011	23:05
0207F016.D	Continuing Calibration Verification	KWG1101442-3	2/8/2011	00:24		2/8/2011	00:24
0207F017.D	Instrument Blank	KWG1101442-4	2/8/2011	00:51		2/8/2011	00:51

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Conestoga-Rovers & Associates, Incorpora
Project: 12th St. Landfill/56393-07
Sample Matrix: Soil

Service Request: K1100884
Date Extracted: 02/04/2011

**Extraction Prep Log
 Polychlorinated Biphenyls (PCBs)**

Extraction Method: EPA 3541
Analysis Method: 8082A

Extraction Lot: KWG1101157
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
SO-56393-020111-EV-001	K1100884-001	02/01/11	02/02/11	40.05g	4mL	81.3	
SO-56393-020111-EV-002	K1100884-002	02/01/11	02/02/11	40.02g	4mL	92.9	
Method Blank	KWG1101157-4	NA	NA	40.08g	4mL	NA	
SO-56393-020111-EV-001MS	KWG1101157-1	02/01/11	02/02/11	40.07g	4mL	81.3	
SO-56393-020111-EV-001DM	KWG1101157-2	02/01/11	02/02/11	40.08g	4mL	81.3	
Lab Control Sample	KWG1101157-3	NA	NA	20.00g	4mL	NA	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

COLUMBIA ANALYTICAL SERVICES, INC.

Confirmation Results

Client: Conestoga-Rovers & Associates, Incorpara
Project: 12th St. Landfill/56393-07
Sample Matrix: Soil

Service Request: K1100884
Date Collected: 02/01/2011
Date Received: 02/02/2011
Date Extracted: 02/04/2011

Polychlorinated Biphenyls (PCBs)

Sample Name: SO-56393-020111-EV-001
Lab Code: K1100884-001
Extraction Method: EPA 3541
Analysis Method: 8082A

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Aroclor 1254	62	21	990	1100	10.5	D	10	02/07/11

Organic Analysis:
Polychlorinated Biphenyls (PCBs)

Validation Package

Organic Analysis:
Polychlorinated Biphenyls (PCBs)

Validation Package

QC Reports

Client: Conestoga-Rovers & Associates, Incorpora
Project: 12th St. Landfill/56393-07
Sample Matrix: Soil

Service Request: K1100884

**Surrogate Recovery Summary
 Polychlorinated Biphenyls (PCBs)**

Extraction Method: EPA 3541
Analysis Method: 8082A

Units: PERCENT
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>
SO-56393-020111-EV-001	K1100884-001	111 D
SO-56393-020111-EV-002	K1100884-002	80
Method Blank	KWG1101157-4	89
SO-56393-020111-EV-001MS	KWG1101157-1	128 D
SO-56393-020111-EV-001DMS	KWG1101157-2	119 D
Lab Control Sample	KWG1101157-3	86

Surrogate Recovery Control Limits (%)

Sur1 = Decachlorobiphenyl 35-133

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Conestoga-Rovers & Associates, Incorp
 Project: 12th St. Landfill/56393-07
 Sample Matrix: Soil

Service Request: K1100884
 Date Extracted: 02/04/2011
 Date Analyzed: 02/07/2011

Matrix Spike/Duplicate Matrix Spike Summary
 Polychlorinated Biphenyls (PCBs)

Sample Name: SO-56393-020111-EV-001
 Lab Code: K1100884-001
 Extraction Method: EPA 3541
 Analysis Method: 8082A

Units: ug/Kg
 Basis: Dry
 Level: Low
 Extraction Lot: KWG1101157

Analyte Name	Sample Result	SO-56393-020111-EV-001 MS KWG1101157-1 Matrix Spike			SO-56393-020111-EV-001 DMS KWG1101157-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Aroclor 1016	ND	162	123	132	178	123	145	27-174	10	40
Aroclor 1260	ND	635	123	517 *	669	123	545 *	20-185	5	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Conestoga-Rovers & Associates, Incorpara
Project: 12th St. Landfill/56393-07
Sample Matrix: Soil

Service Request: K1100884
Date Extracted: 02/04/2011
Date Analyzed: 02/07/2011

**Lab Control Spike Summary
 Polychlorinated Biphenyls (PCBs)**

Extraction Method: EPA 3541
Analysis Method: 8082A

Units: ug/Kg
Basis: Dry
Level: Low
Extraction Lot: KWG1101157

Lab Control Sample
 KWG1101157-3
 Lab Control Spike

Analyte Name	Result	Expected	%Rec	%Rec Limits
Aroclor 1016	165	200	82	48-121
Aroclor 1260	173	200	87	53-129

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Conestoga-Rovers & Associates, Incorpora
Project: 12th St. Landfill/56393-07
Sample Matrix: Soil

Service Request: K1100884
Date Extracted: 02/04/2011
Date Analyzed: 02/07/2011
Time Analyzed: 21:18

**Method Blank Summary
 Polychlorinated Biphenyls (PCBs)**

Sample Name: Method Blank	File ID: J:\GC09\DATA\020711.B\0207F009.D
Lab Code: KWG1101157-4	Instrument ID: GC09.i
Extraction Method: EPA 3541	Level: Low
Analysis Method: 8082A	Extraction Lot: KWG1101157

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG1101157-3	J:\GC09\DATA\020711.B\0207F008.D	02/07/11	20:52
SO-56393-020111-EV-002	K1100884-002	J:\GC09\DATA\020711.B\0207F010.D	02/07/11	21:45
SO-56393-020111-EV-001	K1100884-001	J:\GC09\DATA\020711.B\0207F011.D	02/07/11	22:11
SO-56393-020111-EV-001MS	KWG1101157-1	J:\GC09\DATA\020711.B\0207F012.D	02/07/11	22:38
SO-56393-020111-EV-001DMS	KWG1101157-2	J:\GC09\DATA\020711.B\0207F013.D	02/07/11	23:05

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Conestoga-Rovers & Associates, Incorporated
Project: 12th St. Landfill/56393-07
Sample Matrix: Soil

Service Request: K1100884
Date Extracted: 02/04/2011
Date Analyzed: 02/07/2011
Time Analyzed: 20:52

**Lab Control Sample Summary
 Polychlorinated Biphenyls (PCBs)**

Sample Name: Lab Control Sample **File ID:** J:\GC09\DATA\020711.B\0207F008.D
Lab Code: KWG1101157-3 **Instrument ID:** GC09.i
Extraction Method: EPA 3541 **Level:** Low
Analysis Method: 8082A **Extraction Lot:** KWG1101157

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1101157-4	J:\GC09\DATA\020711.B\0207F009.D	02/07/11	21:18
SO-56393-020111-EV-002	K1100884-002	J:\GC09\DATA\020711.B\0207F010.D	02/07/11	21:45
SO-56393-020111-EV-001	K1100884-001	J:\GC09\DATA\020711.B\0207F011.D	02/07/11	22:11
SO-56393-020111-EV-001MS	KWG1101157-1	J:\GC09\DATA\020711.B\0207F012.D	02/07/11	22:38
SO-56393-020111-EV-001DMS	KWG1101157-2	J:\GC09\DATA\020711.B\0207F013.D	02/07/11	23:05

Organic Analysis:
Polychlorinated Biphenyls (PCBs)

Validation Package

Raw Data

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Conestoga-Rovers & Associates, Incorpara
Project: 12th St. Landfill/56393-07
Sample Matrix: Soil

Service Request: K1100884
Date Collected: 02/01/2011
Date Received: 02/02/2011

Polychlorinated Biphenyls (PCBs)

Sample Name: SO-56393-020111-EV-001
Lab Code: K1100884-001
Extraction Method: EPA 3541
Analysis Method: 8082A

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	62	21	10	02/04/11	02/07/11	KWG1101157	
Aroclor 1221	ND	U	130	21	10	02/04/11	02/07/11	KWG1101157	
Aroclor 1232	ND	U	62	21	10	02/04/11	02/07/11	KWG1101157	
Aroclor 1242	ND	U	62	21	10	02/04/11	02/07/11	KWG1101157	
Aroclor 1248	ND	U	62	21	10	02/04/11	02/07/11	KWG1101157	
Aroclor 1254	990	D	62	21	10	02/04/11	02/07/11	KWG1101157	
Aroclor 1260	ND	U	62	21	10	02/04/11	02/07/11	KWG1101157	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	111	35-133	02/07/11	Acceptable

Comments: _____

Exception Report

Data File: \\CASH1\ACQU\DATA\GC09\DATA\020711.B\0207F011.D
Lab ID: K1100884-001
RunType: SMPL
Matrix: SOIL

Date Acquired: 02/07/2011 22:11
Date Quantitated: 02/15/2011 14:32
Batch ID: KWG1101442
Analysis Method: 8082A
ListJoinID: LJ10990

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	*	NA	NA		x

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Surrogates	Decachlorobiphenyl	135	35	133	<i>[Handwritten Signature]</i>

Primary Review: *[Handwritten Signature]*

Secondary Review: *[Handwritten Signature]*

Exception Report

Data File: \\CASH1\ACQ\DATA\GC09\DATA\020711_R.B\0207R011.D
Lab ID: K1100884-001
RunType: SMPL
Matrix: SOIL

Date Acquired: 02/07/2011 22:11
Date Quantitated: 02/15/2011 14:32
Batch ID: KWG1101442
Analysis Method: 8082A
ListJoinID: LJ10990

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	*	NA	NA		x

Primary Review: _____

Secondary Review: _____

Quantitation Report

Bottle ID:	Tier:	IV
Prod Code: 8082 PCB_LL	Collect Date:	02/01/2011
	Matrix:	SOIL
	Receive Date:	02/02/2011

Analysis Lot: KWG1101442	Prep Lot: KWG1101157	Report Group: K1100884
Analysis Method: 8082A	Prep Method: EPA 3541	
Prep Ref: 997017	Prep Date: 02/04/2011	

Quant Method: \CASH1\ACQU\DATA\GC09\DATA\020711.B\02610_F.M	Calibration ID: CAL9990
Title: Polychlorinated Biphenyls (PCBs)	Report List ID: LJ10990
MB Ref: J:\GC09\DATA\020711.B\0207F009.D	Method ID: MJ696
Quant based on Report List	

Data File #1: J:\GC09\DATA\020711.B\0207F011.D	Instrument: GC09.i
Data File #2: \cash1\acq\data\GC09\data\020711_r.b\0207R011.D	Vial: 4
Acqu Date: 02/07/2011 22:11	Quant Date: 02/15/2011 14:32
Run Type: SMPL	Dilution: 10.0
Lab ID: K1100884-001	Soln Conc. Units: ng/mL
Signal #1: DB-35MS	Signal #2: DB-XLB

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2			Rpt
Decachlorobiphenyl	15.21 ^{-0.01}	16.39 ^{0.00}	70341	61680	13.52	11.10			135*
%Recovery =					135*	111OK	Limits =	35-133	

Target Compounds

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	Final Conc. Units:		ug/Kg Dry Weight		Rpt
					ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	
Aroclor 1016			0	0	0.0000	0.0000	21U	21U	21U
Aroclor 1016 {1}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1016 {2}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1016 {3}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1016 {4}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1016 {5}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1221			0	0	0.0000	0.0000	21U	21U	21U
Aroclor 1221 {1}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1221 {2}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1221 {3}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1221 {4}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1232			0	0	0.0000	0.0000	21U	21U	21U
Aroclor 1232 {1}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1232 {2}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1232 {3}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1232 {4}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1242			0	0	0.0000	0.0000	21U	21U	21U
Aroclor 1242 {1}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1242 {2}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1242 {3}			0d	0d	0.0000	0.0000	21U	21U	

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ? : Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Data File #1:	J:\GC09\DATA\020711.B\0207F011.D	Instrument:	GC09.i
Data File #2:	\\cash1\acqdata\GC09\data\020711_r.b\0207R011.D	Vial:	4
Acqu Date:	02/07/2011 22:11	Quant Date:	02/15/2011 14:32
Run Type:	SMPL	Dilution:	10.0
Lab ID:	K1100884-001	Soln Conc. Units:	ng/mL
Signal #1:	DB-35MS	Signal #2:	DB-XLB

Parameter Name	RT		Resp		ng/mL		ug/Kg		Rpt
	#1	#2	#1	#2	#1	#2	#1	#2	
Aroclor 1242 {4}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1242 {5}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1248			0	0	0.0000	0.0000	21U	21U	21U
Aroclor 1248 {1}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1248 {2}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1248 {3}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1248 {4}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1248 {5}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1254			0	0	807.73	893.78	990D	1100D	990D
Aroclor 1254 {1}	7.62	8.23	264326	369088	765.38	911.07	940D	1100D	
Aroclor 1254 {2}	8.31	8.79	209103	199893	874.56	1,071	1100D	1300D	
Aroclor 1254 {3}	8.51	8.97	422879	358566	870.39	998.77	1100D	1200D	
Aroclor 1254 {4}	8.91	9.56	293384	198584	692.46	683.56	850D	840D	
Aroclor 1254 {5}	9.12	10.40	179240	254039	835.88	804.88	1000D	990D	
Aroclor 1260			0	0	0.0000	0.0000	21U	21U	21U
Aroclor 1260 {1}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1260 {2}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1260 {3}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1260 {4}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1260 {5}			0d	0d	0.0000	0.0000	21U	21U	

The +/- after Retention Time symbolize the direction of the RT shift

Prep Amount: 40.05 g Dilution: 10.0
 Prep Final Vol: 4 mL Unit Factor: 1
 Solids: 81.3 %

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Data File: \\cash1\acqdata\GC09\data\020711.B\0207F011.D
 Report Date: 15-Feb-2011 14:32

Laboratory Name

Sample #1 : \\cash1\acqdata\GC09\data\020711.B\0207F011.D
 Sample #2 : \\cash1\acqdata\GC09\data\020711_r.b\0207R011.D
 Inj Date : 07-FEB-2011 22:11
 Sample Info: K1100884-001 @ 10X
 Misc Info : SEMIVOA GC\W1100957\1-IB.H
 Cal Date : 08-FEB-2011 14:51
 Operator : JMSmith
 Inst ID : GC09.i
 Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\020711.B\102610_f.m
 Method #2 : \\cash1\acqdata\GC09\data\020711_r.b\102610_r.m
 Sub List #1 : ALL.SUB
 Sub List #2 : ALL.SUB
 Col #1 Phase : DB-35MS
 Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.713	4.270	58085	55284	10.1	9.75		100.00
Aroclor 1254	7.620	8.227	264326	369088	765	911	80.00- 120.00	100.00(H)
	8.313	8.787	209103	199893	874	1070	56.77- 85.16	79.11(H)
	8.510	8.970	422879	358566	870	999	108.07- 162.10	159.98(H)
	8.910	9.560	293384	198584	692	684	81.99- 122.98	110.99(H)
	9.120	10.400	179240	254039	836	805	51.75- 77.62	67.81(H)
	Average of Peak Amounts =				807	894		
Decachlorobiphenyl	15.207	16.393	70341	61680	13.5	11.1		100.00

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: \\nashtl\acquadata\GC09\data\020711.B\0207F011.D
Date: 07-FEB-2011 22:11

Client ID:

Sample Info: K1100884-001 @ 10X

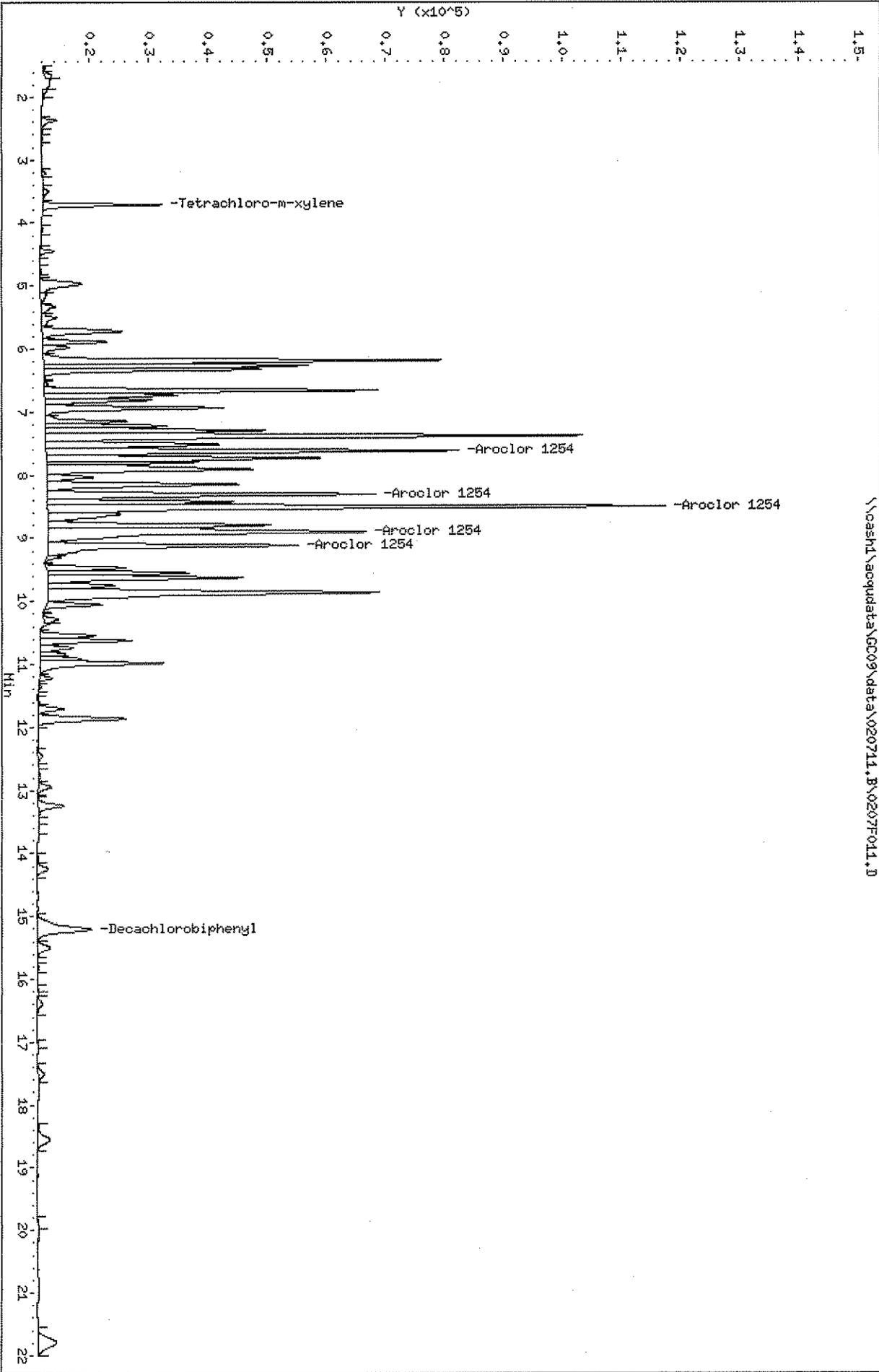
Column phase: DB-35MS

Instrument: GC09.i

Operator: JHSmith

Column diameter: 0.53

\\nashtl\acquadata\GC09\data\020711.B\0207F011.D



Data File: \\nasht\acquadata\GC09\data\020711_r.b\0207R011.D

Date: 07-FEB-2011 22:11

Client ID:

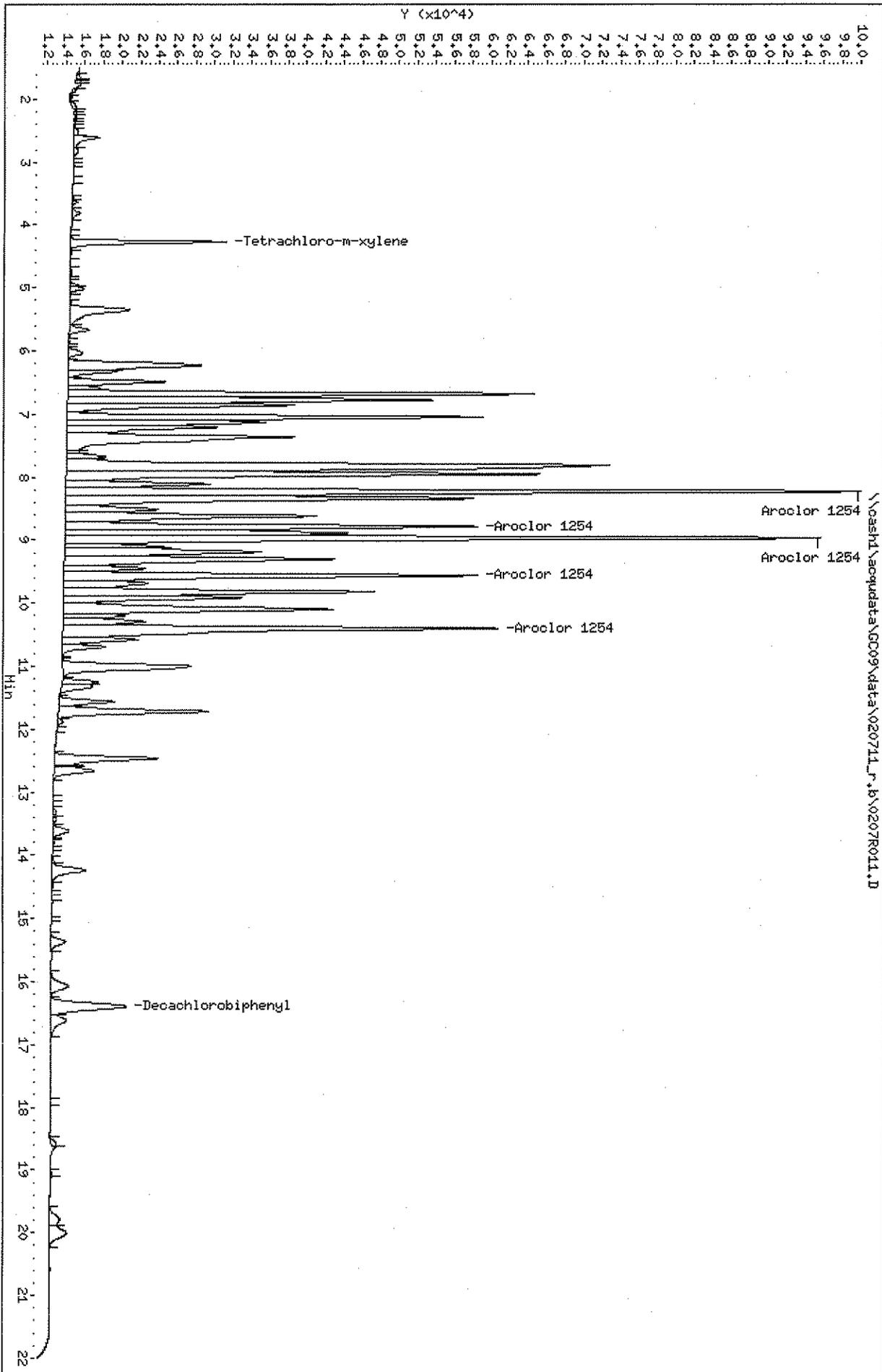
Sample Info: K1100894-001 @ 10X

Column phase: DB-XLB

Instrument: GC09.i

Operator: JHSmith

Column diameter: 0.53



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Conestoga-Rovers & Associates, Incorporated
Project: 12th St. Landfill/56393-07
Sample Matrix: Soil

Service Request: K1100884
Date Collected: 02/01/2011
Date Received: 02/02/2011

Polychlorinated Biphenyls (PCBs)

Sample Name: SO-56393-020111-EV-002
Lab Code: K1100884-002
Extraction Method: EPA 3541
Analysis Method: 8082A

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	5.4	2.1	1	02/04/11	02/07/11	KWG1101157	
Aroclor 1221	ND	U	11	2.1	1	02/04/11	02/07/11	KWG1101157	
Aroclor 1232	ND	U	5.4	2.1	1	02/04/11	02/07/11	KWG1101157	
Aroclor 1242	ND	U	5.4	2.1	1	02/04/11	02/07/11	KWG1101157	
Aroclor 1248	ND	U	5.4	2.1	1	02/04/11	02/07/11	KWG1101157	
Aroclor 1254	ND	U	5.4	2.1	1	02/04/11	02/07/11	KWG1101157	
Aroclor 1260	ND	U	5.4	2.1	1	02/04/11	02/07/11	KWG1101157	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	80	35-133	02/07/11	Acceptable

Comments: _____

Exception Report

Data File: \\CASH1\ACQU\DATA\GC09\DATA\020711_R.B\0207R010.D
Lab ID: K1100884-002
RunType: SMPL
Matrix: SOIL

Date Acquired: 02/07/2011 21:45
Date Quantitated: 02/15/2011 14:32
Batch ID: KWG1101442
Analysis Method: 8082A
ListJoinID: LJ10990

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: _____

Secondary Review: _____

Quantitation Report

Bottle ID:		Tier:	IV	Matrix:	SOIL
Prod Code:	8082 PCB_LL	Collect Date:	02/01/2011	Receive Date:	02/02/2011

Analysis Lot:	KWG1101442	Prep Lot:	KWG1101157	Report Group:	K1100884
Analysis Method:	8082A	Prep Method:	EPA 3541		
Prep Ref:	997018	Prep Date:	02/04/2011		

Quant Method:	\\CASH1\ACQU\DATA\GC09\DATA\020711.B\102610_F.M	Calibration ID:	CAL9990
Title:	Polychlorinated Biphenyls (PCBs)	Report List ID:	LJ10990
MB Ref:	J:\GC09\DATA\020711.B\0207F009.D	Method ID:	MJ696
Quant based on Report List			

Data File #1:	J:\GC09\DATA\020711.B\0207F010.D	Instrument:	GC09.i
Data File #2:	\\cash1\acqu\data\GC09\data\020711_r.b\0207R010.D	Vial:	3
Acqu Date:	02/07/2011 21:45	Quant Date:	02/15/2011 14:32
Run Type:	SMPL	Dilution:	1.0
Lab ID:	K1100884-002	Soln Conc. Units:	ng/mL
Signal #1:	DB-35MS	Signal #2:	DB-XLB

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Decachlorobiphenyl	15.21 ^{0.00}	16.40	388418	446526	74.66	80.38			80OK
%Recovery =					75OK	80OK	Limits =	35-133	

Target Compounds

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	Final Conc. Units:		ug/Kg Dry Weight		Rpt
					ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	
Aroclor 1016			0	0	0.0000	0.0000	2.1U	2.1U	2.1U
Aroclor 1016 {1}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1016 {2}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1016 {3}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1016 {4}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1016 {5}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1221			0	0	0.0000	0.0000	2.1U	2.1U	2.1U
Aroclor 1221 {1}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1221 {2}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1221 {3}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1221 {4}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1232			0	0	0.0000	0.0000	2.1U	2.1U	2.1U
Aroclor 1232 {1}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1232 {2}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1232 {3}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1232 {4}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1242			0	0	0.0000	0.0000	2.1U	2.1U	2.1U
Aroclor 1242 {1}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1242 {2}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1242 {3}			0d	0d	0.0000	0.0000	2.1U	2.1U	

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Data File #1:	J:\GC09\DATA\020711.B\0207F010.D	Instrument:	GC09.i
Data File #2:	\\cash1\acquadata\GC09\data\020711_r.b\0207R010.D	Vial:	3
Acqu Date:	02/07/2011 21:45	Quant Date:	02/15/2011 14:32
Run Type:	SMPL	Dilution:	1.0
Lab ID:	K1100884-002	Soln Conc. Units:	ng/mL
Signal #1:	DB-35MS	Signal #2:	DB-XLB

Parameter Name	RT		Resp		ng/mL		ug/Kg		Rpt
	#1	#2	#1	#2	#1	#2	#1	#2	
Aroclor 1242 {4}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1242 {5}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1248			0	0	0.0000	0.0000	2.1U	2.1U	2.1U
Aroclor 1248 {1}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1248 {2}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1248 {3}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1248 {4}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1248 {5}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1254			0	0	0.0000	0.0000	2.1U	2.1U	2.1U
Aroclor 1254 {1}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1254 {2}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1254 {3}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1254 {4}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1254 {5}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1260			0	0	0.0000	0.0000	2.1U	2.1U	2.1U
Aroclor 1260 {1}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1260 {2}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1260 {3}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1260 {4}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1260 {5}			0d	0d	0.0000	0.0000	2.1U	2.1U	

The +/- after Retention Time symbolize the direction of the RT shift

Prep Amount: 40.02 g Dilution: 1.0
 Prep Final Vol: 4 mL Unit Factor: 1
 Solids: 92.9 %

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
 F: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Data File: \\cash1\acqdata\GC09\data\020711.B\0207F010.D
Report Date: 15-Feb-2011 14:32

Laboratory Name

Sample #1 : \\cash1\acqdata\GC09\data\020711.B\0207F010.D
Sample #2 : \\cash1\acqdata\GC09\data\020711_r.b\0207R010.D
Inj Date : 07-FEB-2011 21:45
Sample Info: K1100884-002
Misc Info : SEMIVOA GC\W1100957\1-IB.H
Cal Date : 08-FEB-2011 14:51
Operator : JMSmith
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\020711.B\102610_f.m
Method #2 : \\cash1\acqdata\GC09\data\020711_r.b\102610_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.713	4.270	310793	324589	54.0	57.3		100.00
Decachlorobiphenyl	15.210	16.397	388418	446526	74.6	80.4		100.00

Data File: \\casha1\acq\data\GC09\data\020711.B\0207F010.D
Date: 07-FEB-2011 21:45

Client ID:

Sample Info: K1100884-002

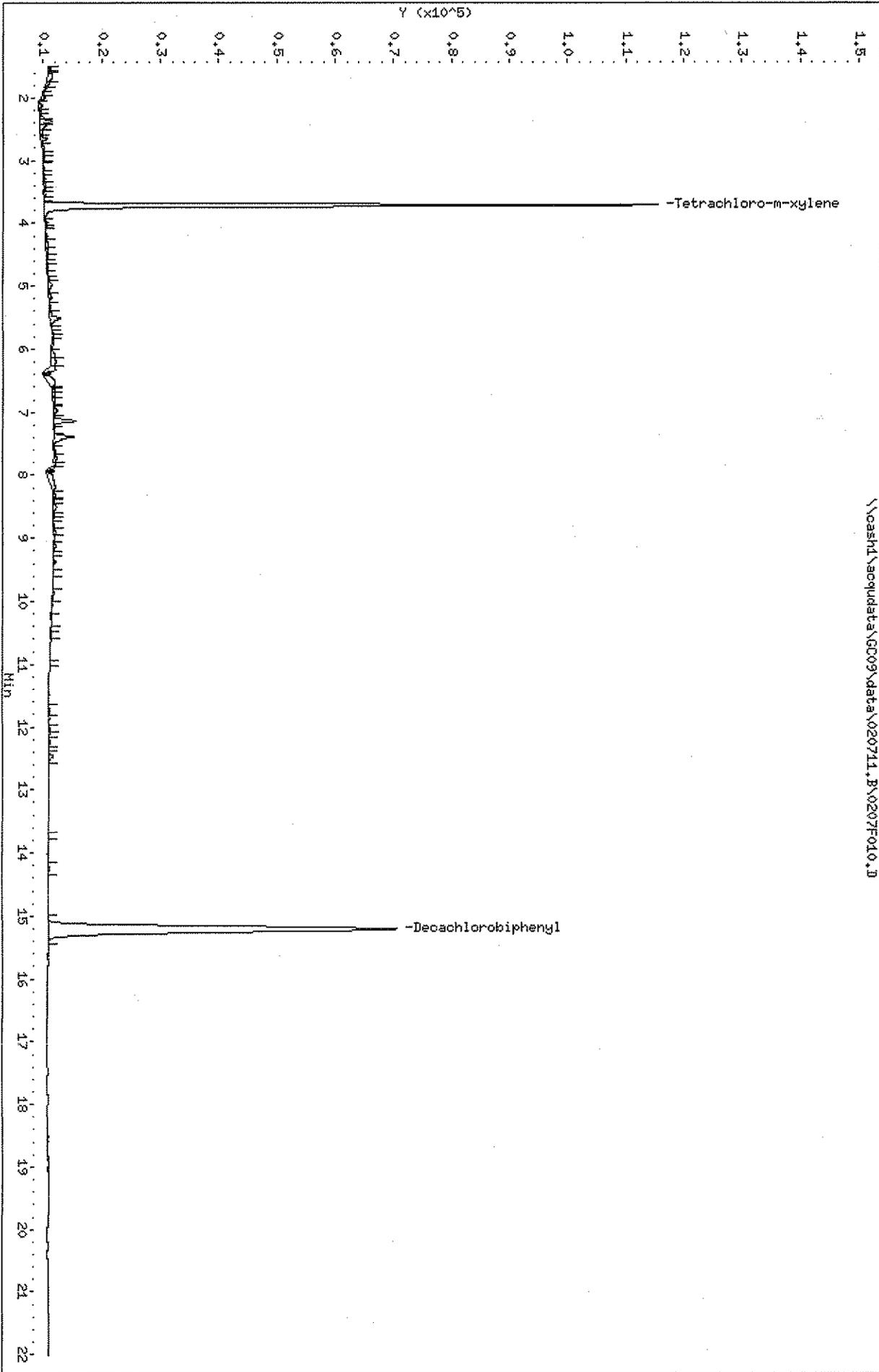
Column phase: DB-35MS

Instrument: GC09.1

Operator: JHSmith

Column diameter: 0.53

\\casha1\acq\data\GC09\data\020711.B\0207F010.D



Data File: \\casha1\acq\data\GC09\data\020711_r.b\0207R010.D

Date: 07-FEB-2011 21:45

Client ID:

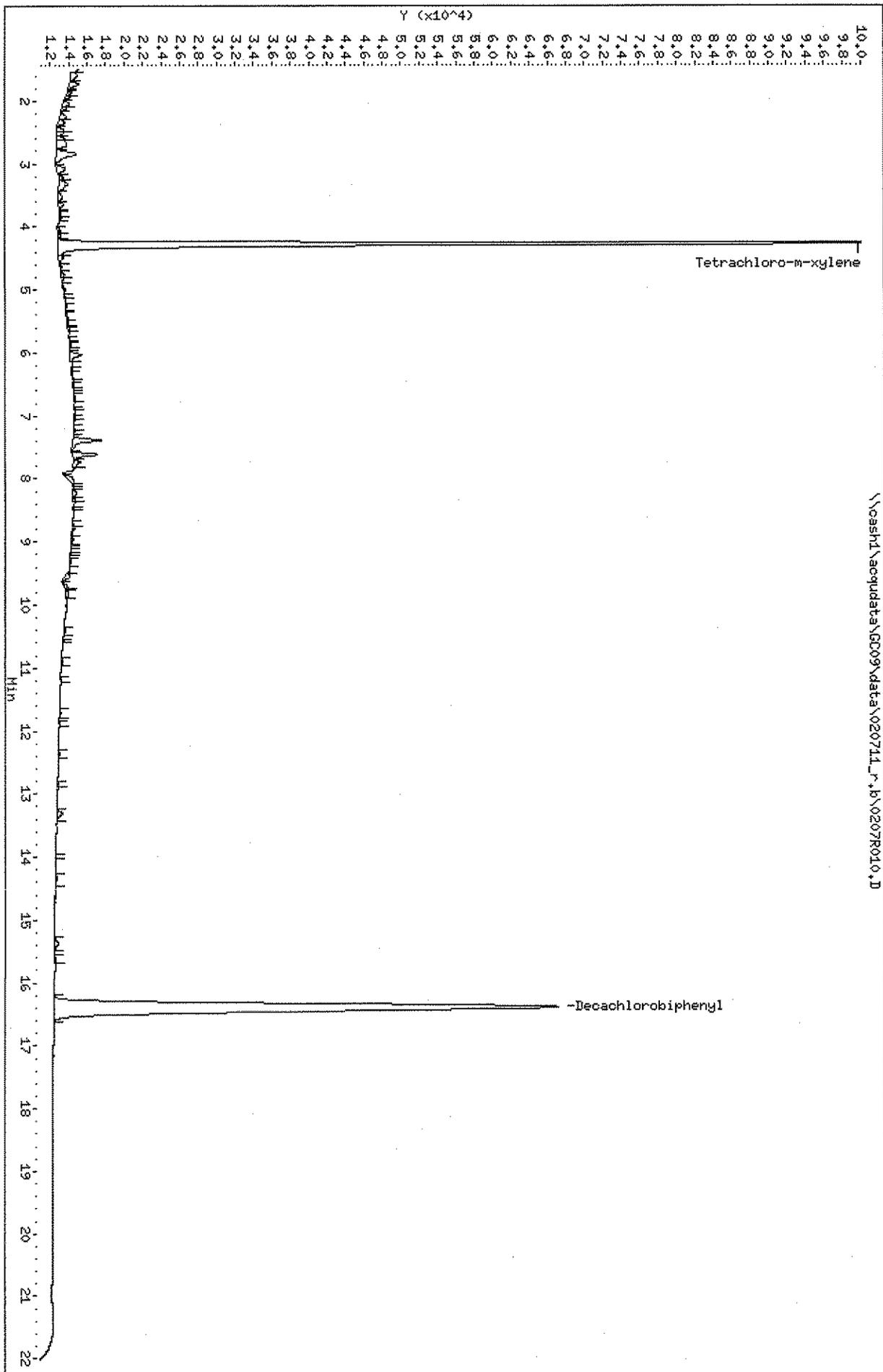
Sample Info: K1100884-002

Column phase: DB-XLB

Instrument: GC09.i

Operator: JHSmith

Column diameter: 0.53



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Conestoga-Rovers & Associates, Incorp
Project: 12th St. Landfill/56393-07
Sample Matrix: Soil

Service Request: K1100884
Date Collected: NA
Date Received: NA

Polychlorinated Biphenyls (PCBs)

Sample Name: Method Blank
Lab Code: KWG1101157-4
Extraction Method: EPA 3541
Analysis Method: 8082A

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	5.0	2.1	1	02/04/11	02/07/11	KWG1101157	
Aroclor 1221	ND	U	10	2.1	1	02/04/11	02/07/11	KWG1101157	
Aroclor 1232	ND	U	5.0	2.1	1	02/04/11	02/07/11	KWG1101157	
Aroclor 1242	ND	U	5.0	2.1	1	02/04/11	02/07/11	KWG1101157	
Aroclor 1248	ND	U	5.0	2.1	1	02/04/11	02/07/11	KWG1101157	
Aroclor 1254	ND	U	5.0	2.1	1	02/04/11	02/07/11	KWG1101157	
Aroclor 1260	ND	U	5.0	2.1	1	02/04/11	02/07/11	KWG1101157	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	89	35-133	02/07/11	Acceptable

Comments: _____

Exception Report

Data File: \\CASH\ACQU\DATA\GC09\DATA\020711.B\0207F009.D
Lab ID: KWG1101157-4
RunType: MB
Matrix: SOIL

Date Acquired: 02/07/2011 21:18
Date Quantitated: 02/15/2011 14:32
Batch ID: KWG1101442
Analysis Method: 8082A
MethodJoinID: MJ696

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: J. Wilson

Secondary Review: A. Smith

Quantitation Report

Bottle ID:	Tier:	Matrix:	SOIL
Prod Code: 8082 PCB_LL	Collect Date:	Receive Date:	02/04/2011

Analysis Lot: KWG1101442	Prep Lot: KWG1101157	Report Group:	
Analysis Method: 8082A	Prep Method: EPA 3541		
Prep Ref: 997022	Prep Date: 02/04/2011		

Quant Method: \\CASH1\ACQU\DATA\GC09\DATA\020711.B\02610_F.M	Calibration ID: CAL9990
Title:	Method ID: MJ696
MB Ref:	Quant based on Method

Data File #1: J:\GC09\DATA\020711.B\0207F009.D	Instrument: GC09.i	Data File #2: \\cash1\acquadata\GC09\data\020711_r.b\0207R009.D	Vial: 2
Acqu Date: 02/07/2011 21:18	Quant Date: 02/15/2011 14:32	Dilution: 1.0	Soln Conc. Units: ng/mL
Run Type: MB			
Lab ID: KWG1101157-4			
Signal #1: DB-35MS	Signal #2: DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2	Final Conc. Units: ug/Kg Wet Weight		Rpt	
Tetrachloro-m-xylene	3.71	4.27	516809	503261	89.84	89.14	90OK	89OK	Limits = 10-135	90OK
Decachlorobiphenyl	15.21 ^{0.00}	16.40	439310	494885	84.44	89.08	84OK	89OK	Limits = 35-133	89OK

Target Compounds

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1016			0	0	0.0000	0.0000	2.1U	2.1U	2.1U
Aroclor 1016 {1}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1016 {2}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1016 {3}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1016 {4}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1016 {5}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1221			0	0	0.0000	0.0000	2.1U	2.1U	2.1U
Aroclor 1221 {1}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1221 {2}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1221 {3}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1221 {4}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1232			0	0	0.0000	0.0000	2.1U	2.1U	2.1U
Aroclor 1232 {1}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1232 {2}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1232 {3}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1232 {4}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1242			0	0	0.0000	0.0000	2.1U	2.1U	2.1U
Aroclor 1242 {1}			0	0	0.0000	0.0000	2.1U	2.1U	

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Data File #1:	J:\GC09\DATA\020711.B\0207F009.D	Instrument:	GC09.i
Data File #2:	\\cash1\acqdata\GC09\data\020711_r.b\0207R009.D	Vial:	2
Acqu Date:	02/07/2011 21:18	Quant Date:	02/15/2011 14:32
Run Type:	MB	Dilution:	1.0
Lab ID:	KWG1101157-4	Soln Conc. Units:	ng/mL
Signal #1:	DB-35MS	Signal #2:	DB-XLB

Target Compounds Final Conc. Units: ug/Kg Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1242 {2}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1242 {3}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1242 {4}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1242 {5}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1248			0	0	0.0000	0.0000	2.1U	2.1U	2.1U
Aroclor 1248 {1}			0d	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1248 {2}			0d	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1248 {3}			0d	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1248 {4}			0d	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1248 {5}			0d	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1254			0	0	0.0000	0.0000	2.1U	2.1U	2.1U
Aroclor 1254 {1}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1254 {2}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1254 {3}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1254 {4}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1254 {5}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1260			0	0	0.0000	0.0000	2.1U	2.1U	2.1U
Aroclor 1260 {1}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1260 {2}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1260 {3}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1260 {4}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1260 {5}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1262			0	0	0.0000	0.0000	2.1U	2.1U	2.1U
Aroclor 1262 {1}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1262 {2}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1262 {3}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1262 {4}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1262 {5}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1268			0	0	0.0000	0.0000	2.1U	2.1U	2.1U
Aroclor 1268 {1}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1268 {2}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1268 {3}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1268 {4}			0	0	0.0000	0.0000	2.1U	2.1U	
Aroclor 1268 {5}			0	0	0.0000	0.0000	2.1U	2.1U	

The +/- after Retention Time symbolize the direction of the RT shift

Prep Amount: 40.08 g Dilution: 1.0
 Prep Final Vol: 4 mL Unit Factor: 1
 Solids: %

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Data File: \\cash1\acqdata\GC09\data\020711.B\0207F009.D
Report Date: 15-Feb-2011 14:32

Laboratory Name

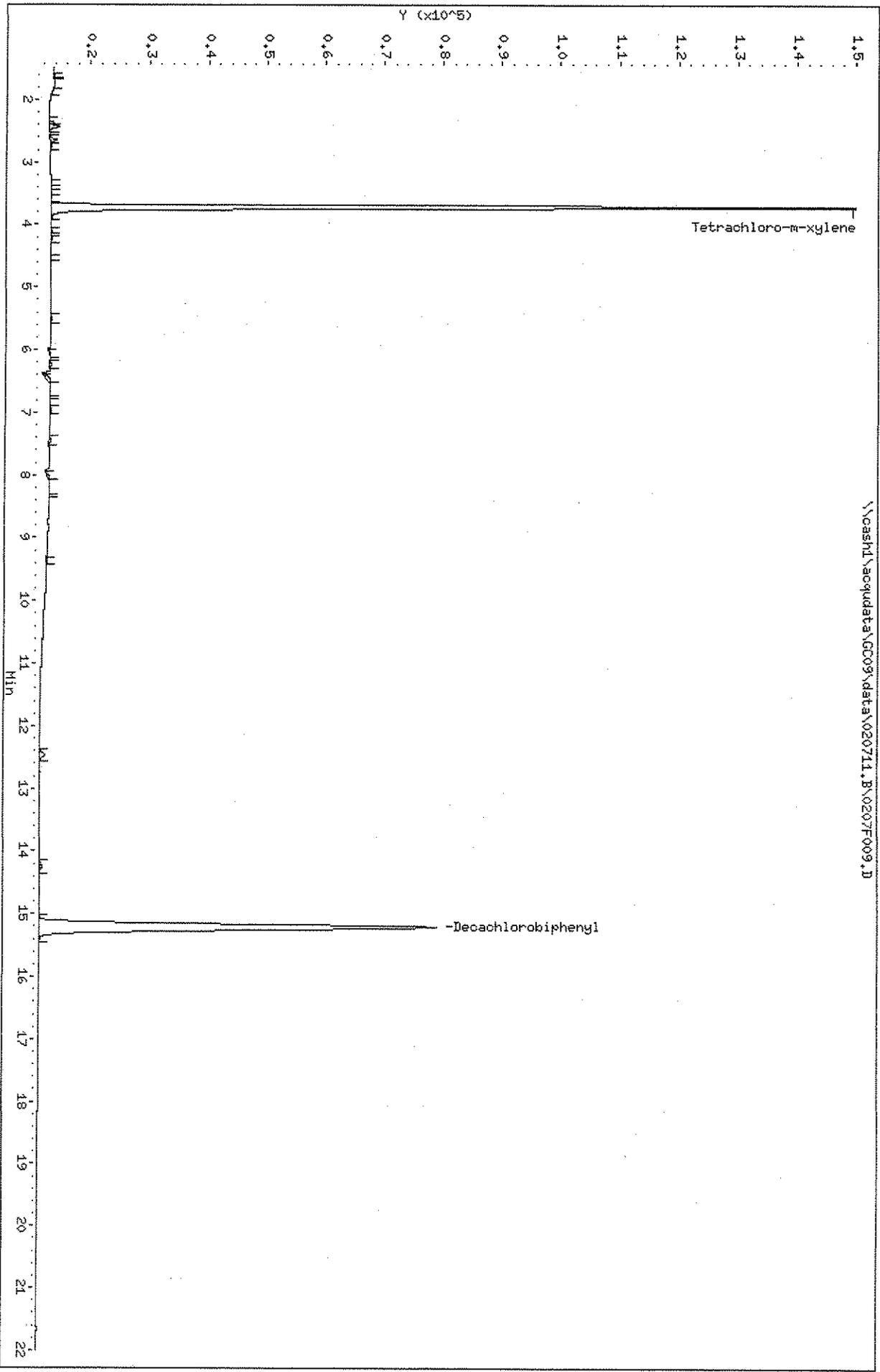
Sample #1 : \\cash1\acqdata\GC09\data\020711.B\0207F009.D
Sample #2 : \\cash1\acqdata\GC09\data\020711_r.b\0207R009.D
Inj Date : 07-FEB-2011 21:18
Sample Info: KQ1100983-04MB
Misc Info : SEMIVOA GC\W1100957\1-IB.H
Cal Date : 08-FEB-2011 14:51
Operator : JMSmith
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\020711.B\102610_f.m
Method #2 : \\cash1\acqdata\GC09\data\020711_r.b\102610_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.713	4.273	516809	505261	89.8	89.1		100.00
Decachlorobiphenyl	15.210	16.397	439310	494885	84.4	89.1		100.00

Data File: \\cashtl\acq\data\GC09\data\020711.B\0207F009.D
Date: 07-FEB-2011 21:18
Client ID:
Sample Info: K01100983-04MB
Column phase: DB-35MS

Instrument: GC09.1
Operator: JMSwlth
Column diameter: 0.53



Data File: \\oashd\acq\data\GC09\data\020711_r.b\0207R009.D
Date : 07-FEB-2011 21:18

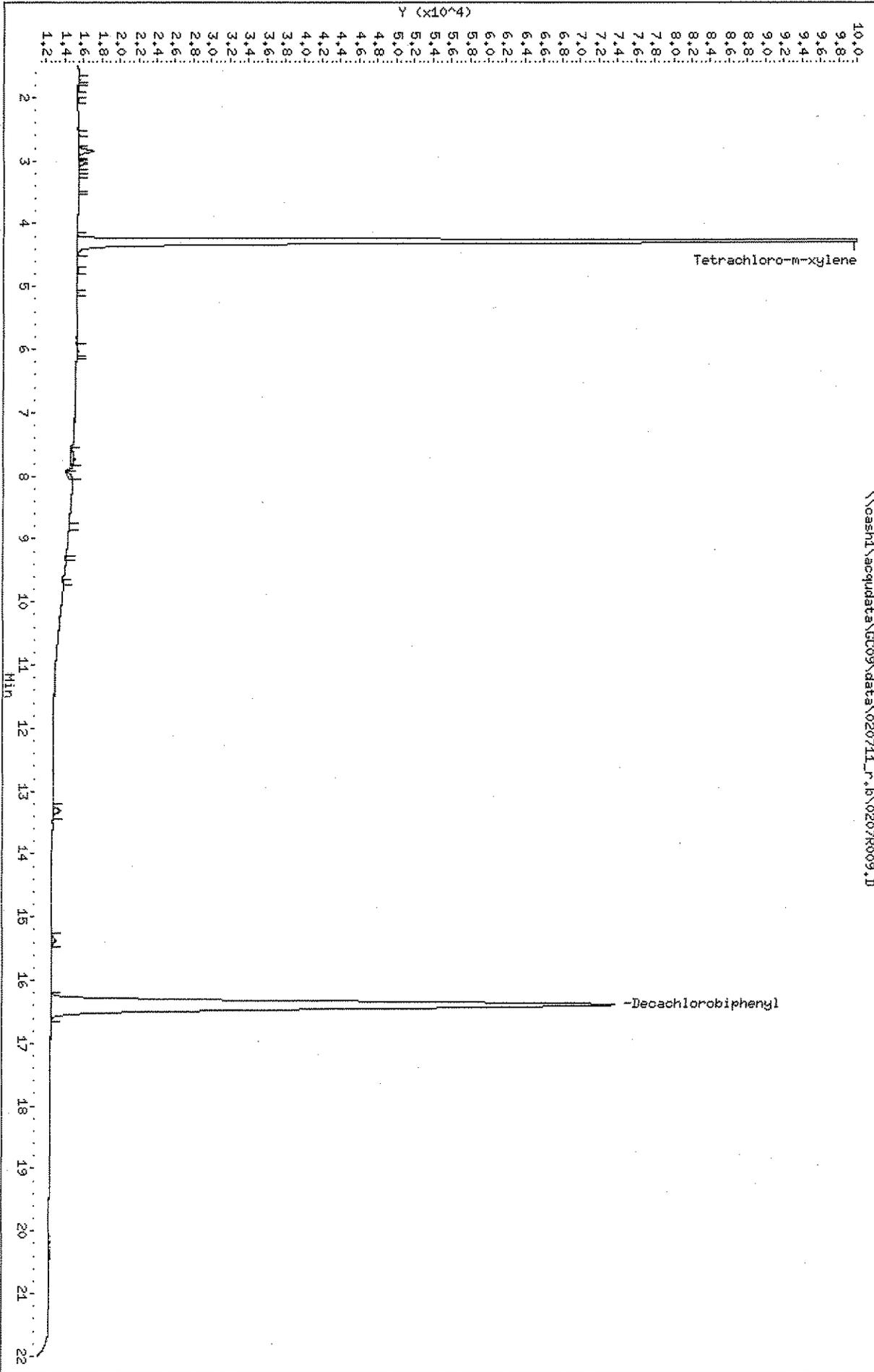
Client ID:
Sample Info: K01100983-04HB

Column phase: DB-XLB

Instrument: GC09.1

Operator: JMSmith
Column diameter: 0.53

\\oashd\acq\data\GC09\data\020711_r.b\0207R009.D



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Conestoga-Rovers & Associates, Incorpara
Project: 12th St. Landfill/56393-07
Sample Matrix: Soil

Service Request: K1100884
Date Collected: 02/01/2011
Date Received: 02/02/2011

Polychlorinated Biphenyls (PCBs)

Sample Name: SO-56393-020111-EV-001MS
Lab Code: KWG1101157-1
Extraction Method: EPA 3541
Analysis Method: 8082A

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	162 PD	62	21	10	02/04/11	02/07/11	KWG1101157	
Aroclor 1221	ND U	130	21	10	02/04/11	02/07/11	KWG1101157	
Aroclor 1232	ND U	62	21	10	02/04/11	02/07/11	KWG1101157	
Aroclor 1242	ND U	62	21	10	02/04/11	02/07/11	KWG1101157	
Aroclor 1248	ND U	62	21	10	02/04/11	02/07/11	KWG1101157	
Aroclor 1254	1100 D	62	21	10	02/04/11	02/07/11	KWG1101157	
Aroclor 1260	635 D	62	21	10	02/04/11	02/07/11	KWG1101157	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	128	35-133	02/07/11	Acceptable

Comments: _____

Exception Report

Data File: \\CASH1\ACQU\DATA\GC09\DATA\020711.B\0207F012.D
Lab ID: KWG1101157-1 -- K1100884-001MS
RunType: MS
Matrix: SOIL

Date Acquired: 02/07/2011 22:38
Date Quantitated: 02/15/2011 14:32
Batch ID: KWG1101442
Analysis Method: 8082A
MethodJoinID: MJ696

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	*	NA	NA		x

Primary Review: 

Secondary Review: 2/17/11

Exception Report

Data File: \\CASH1\ACQU\DATA\GC09\DATA\020711_R.B\0207R012.D
Lab ID: KWG1101157-1 -- K1100884-001MS
RunType: MS
Matrix: SOIL

Date Acquired: 02/07/2011 22:38
Date Quantitated: 02/15/2011 14:32
Batch ID: KWG1101442
Analysis Method: 8082A
MethodJoinID: MJ696

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	*	NA	NA		x

Primary Review: 

Secondary Review: 02/15/11

Quantitation Report

Bottle ID:	Tier:	Matrix:	SOIL
Prod Code: 8082 PCB_LL	Collect Date:	Receive Date:	02/04/2011

Analysis Lot: KWG1101442	Prep Lot: KWG1101157	Report Group:	
Analysis Method: 8082A	Prep Method: EPA 3541		
Prep Ref: 997019	Prep Date: 02/04/2011		

Quant Method: \\CASH1\ACQU\DATA\GC09\DATA\020711.B\02610_F.M	Calibration ID: CAL9990
Title:	
MB Ref: J:\GC09\DATA\020711.B\0207F009.D	Method ID: MJ696
	Quant based on Method

Data File #1: J:\GC09\DATA\020711.B\0207F012.D	Instrument: GC09.i
Data File #2: \\cash1\acquadata\GC09\data\020711_r_b\0207R012.D	Vial: 5
Acqu Date: 02/07/2011 22:38	Quant Date: 02/17/2011 16:29
Run Type: MS	Dilution: 10.0
Lab ID: KWG1101157-1 -- K1100884-001MS	Soln Conc. Units: ng/mL
Signal #1: DB-35MS	Signal #2: DB-XLB

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	Final Conc. Units: ug/Kg Dry Weight		Rpt
Tetrachloro-m-xylene	3.71	4.27 ^{0.00}	57366	51886	9.97	9.15			100OK
			%Recovery =		100OK	92OK	Limits =	10-135	
Decachlorobiphenyl	15.21 ^{-0.01}	16.39 ^{0.00}	66560	60570	12.79	10.90			128OK
			%Recovery =		128OK	109OK	Limits =	35-133	

Target Compounds

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1016			0	0	132.11	832.99	162D	1020D	162PD ^{RPD}
Aroclor 1016 {1}	5.33 ^{0.00}	5.33 ^{+0.01}	8236	67215	124.70	397.88	153D	489D	RPD
Aroclor 1016 {2}	5.38 ^{0.00}	6.49 ^{-0.02}	10204	48425	88.14	294.92	108D	362D	RPD
Aroclor 1016 {3}	5.89 ^{0.00}	6.68 ^{0.00}	43899	178613	183.50	1,364	225D	1670D	RPD
Aroclor 1016 {4}	6.18 ^{+0.06}	6.77	0	139038	0.0000	915.20	21U	1120D	
Aroclor 1016 {5}	6.66 ^{0.00}	7.04 ^{0.00}	0	165639	0.0000	1,193	21U	1460D	
Aroclor 1221			0	0	0.0000	0.0000	21U	21U	21U
Aroclor 1221 {1}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1221 {2}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1221 {3}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1221 {4}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1232			0	0	0.0000	0.0000	21U	21U	21U
Aroclor 1232 {1}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1232 {2}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1232 {3}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1232 {4}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1242			0	0	0.0000	0.0000	21U	21U	21U
Aroclor 1242 {1}			0d	0d	0.0000	0.0000	21U	21U	

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Data File #1:	J:\GC09\DATA\020711.B\0207F012.D	Instrument:	GC09.i
Data File #2:	\\cash1\acqdata\GC09\data\020711_r.b\0207R012.D	Vial:	5
Acqu Date:	02/07/2011 22:38	Quant Date:	02/17/2011 16:29
Run Type:	MS	Dilution:	10.0
Lab ID:	KWG1101157-1 -- K1100884-001MS	Soln Conc. Units:	ng/mL
Signal #1:	DB-35MS	Signal #2:	DB-XLB

Target Compounds

Parameter Name	RT		Resp		ng/mL		ug/Kg		Rpt
	#1	#2	#1	#2	#1	#2	#1	#2	
Aroclor 1242 {2}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1242 {3}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1242 {4}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1242 {5}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1248			0	0	0.0000	0.0000	21U	21U	21U
Aroclor 1248 {1}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1248 {2}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1248 {3}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1248 {4}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1248 {5}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1254			0	0	915.65	947.00	1100D	1200D	1100D
Aroclor 1254 {1}	7.62	8.23	284776m	359771	824.59	888.07	1010D	1090D	
Aroclor 1254 {2}	8.31	8.79	220372m	199548	921.69	1,069	1130D	1310D	
Aroclor 1254 {3}	8.51	8.97	464668m	366501	956.41	1,021	1170D	1250D	
Aroclor 1254 {4}	8.91	9.56	284815m	206447	672.23	710.62	825D	873D	
Aroclor 1254 {5}	9.12	c 10.40	c 258039m	330350	1,203	1,047	1480D	1290D	
Aroclor 1260			0	0	517.34	626.59	635D	769D	635D
Aroclor 1260 {1}	9.12	^{0.00} c 9.30	210996	187755	539.70	702.67	663D	863D	
Aroclor 1260 {2}	9.87	9.82	^{0.00} 388128	194361	947.25	642.52	1160D	789D	
Aroclor 1260 {3}		10.40	^{-0.01} c 0	330350	0.0000	897.47	21U	1100D	
Aroclor 1260 {4}	10.55	11.03	^{-0.01} 60100	138502	255.68	570.86	314D	701D	
Aroclor 1260 {5}	10.99	11.72	160082	143504	326.72	319.43	401D	392D	
Aroclor 1262			0	0	0.0000	0.0000	21U	21U	21U
Aroclor 1262 {1}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1262 {2}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1262 {3}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1262 {4}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1262 {5}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1268			0	0	0.0000	0.0000	21U	21U	21U
Aroclor 1268 {1}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1268 {2}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1268 {3}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1268 {4}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1268 {5}			0d	0d	0.0000	0.0000	21U	21U	

The +/- after Retention Time symbolize the direction of the RT shift

Prep Amount: 40.07 g Dilution: 10.0
 Prep Final Vol: 4 mL Unit Factor: 1
 Solids: 81.3 %

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Data File: \\cash1\acqdata\GC09\data\020711.B\0207F012.D
 Report Date: 17-Feb-2011 16:29

Laboratory Name

Sample #1 : \\cash1\acqdata\GC09\data\020711.B\0207F012.D
 Sample #2 : \\cash1\acqdata\GC09\data\020711_r.b\0207R012.D
 Inj Date : 07-FEB-2011 22:38
 Sample Info: K1100884-001MS @ 10X
 Misc Info : SEMIVOA GC\W1100957\1-IB.H
 Cal Date : 08-FEB-2011 14:51
 Operator : JMSmith
 Inst ID : GC09.i
 Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\020711.B\102610_f.m
 Method #2 : \\cash1\acqdata\GC09\data\020711_r.b\102610_r.m
 Sub List #1 : ALL.SUB
 Sub List #2 : ALL.SUB
 Col #1 Phase : DB-35MS
 Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.713	4.270	57366	51886	9.97	9.15		100.00
Aroclor 1016	5.327	5.333	8236	67215	125	398	80.00- 120.00	100.00(H)
	5.377	6.490	10204	48425	88.1	295	139.58- 209.38	123.90(H)
	5.887	6.677	43899	178613	183	1360	284.42- 426.63	533.01(H)
	6.183	6.773		139038		915	76.49- 114.73	206.86(H)
	6.657	7.043		165639		1190	70.51- 105.76	246.43(H)
	Average of Peak Amounts =				132	832		
Aroclor 1254	7.620	8.227	284776	359771	824	888	80.00- 120.00	100.00(M)
	8.313	8.787	220372	199548	922	1070	56.77- 85.16	77.38(M)
	8.510	8.970	464668	366501	956	1020	108.07- 162.10	163.17(M)
	8.910	9.563	284815	206447	672	711	81.99- 122.98	100.01(M)
	9.120	10.400	258039	330350	1200	1050	51.75- 77.62	90.61(M)
	Average of Peak Amounts =				915	948		
Aroclor 1260	9.120	9.303	210996	187755	540	703	80.00- 120.00	100.00(TH)
	9.870	9.820	388128	194361	947	642	80.46- 120.69	183.95(TH)
	0.000	10.400		330350		897	105.16- 157.74	175.95(TH)
	10.547	11.027	60100	138502	256	571	51.88- 77.82	28.48(TH)
	10.987	11.720	160082	143504	327	319	97.47- 146.20	75.87(TH)
	Average of Peak Amounts =				518	626		
Decachlorobiphenyl	15.207	16.393	66560	60570	12.8	10.9		100.00

QC Flag Legend

T - Target compound detected outside RT window.
 M - Compound response manually integrated.
 H - Operator selected an alternate compound hit.

Data File: \acashd\acq\data\GC09\data\020711.B\0207F012.D

Date: 07-FEB-2011 22:38

Client ID:

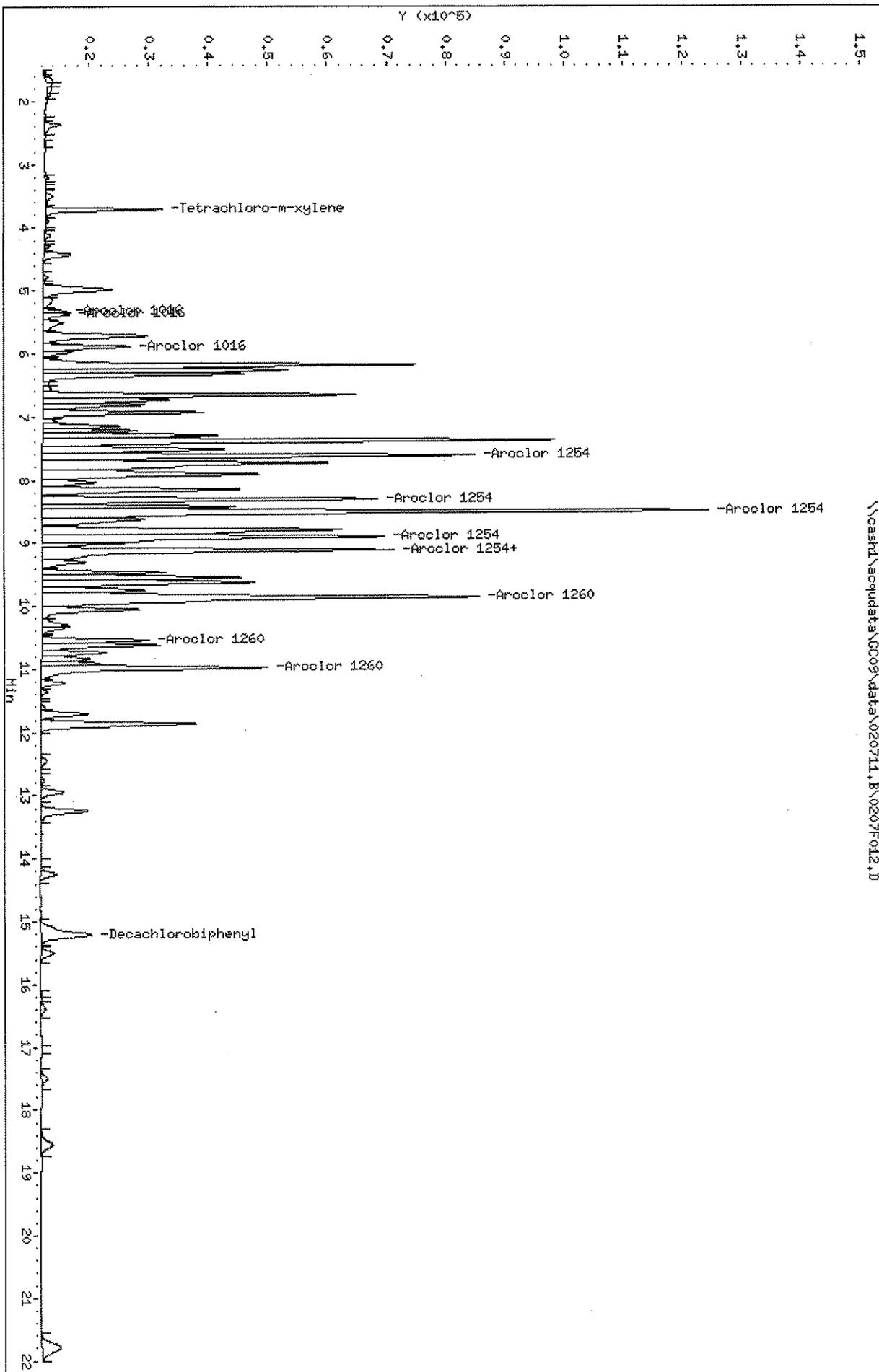
Sample Info: K1100884-001HS @ 10X

Column phase: DB-35MS

Instrument: GC09.1

Operator: JHSwith

Column diameter: 0.53



Data File: \\casha1\acq\data\GC09\data\020711_r_b\0207R012.D
Date: 07-FEB-2011 22:38

Client ID:

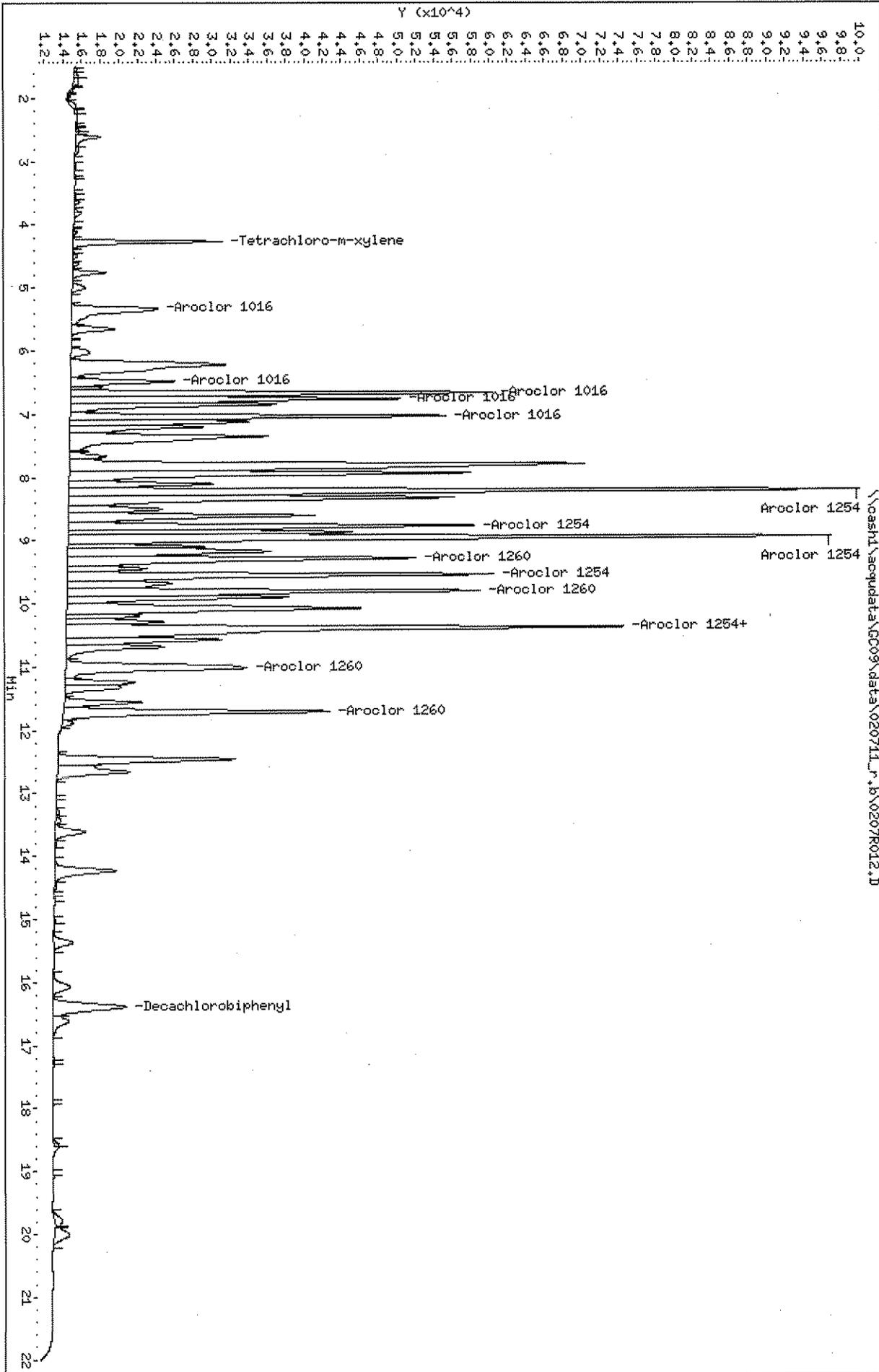
Sample Info: K1100894-001HS @ 10X

Column phase: DB-XLB

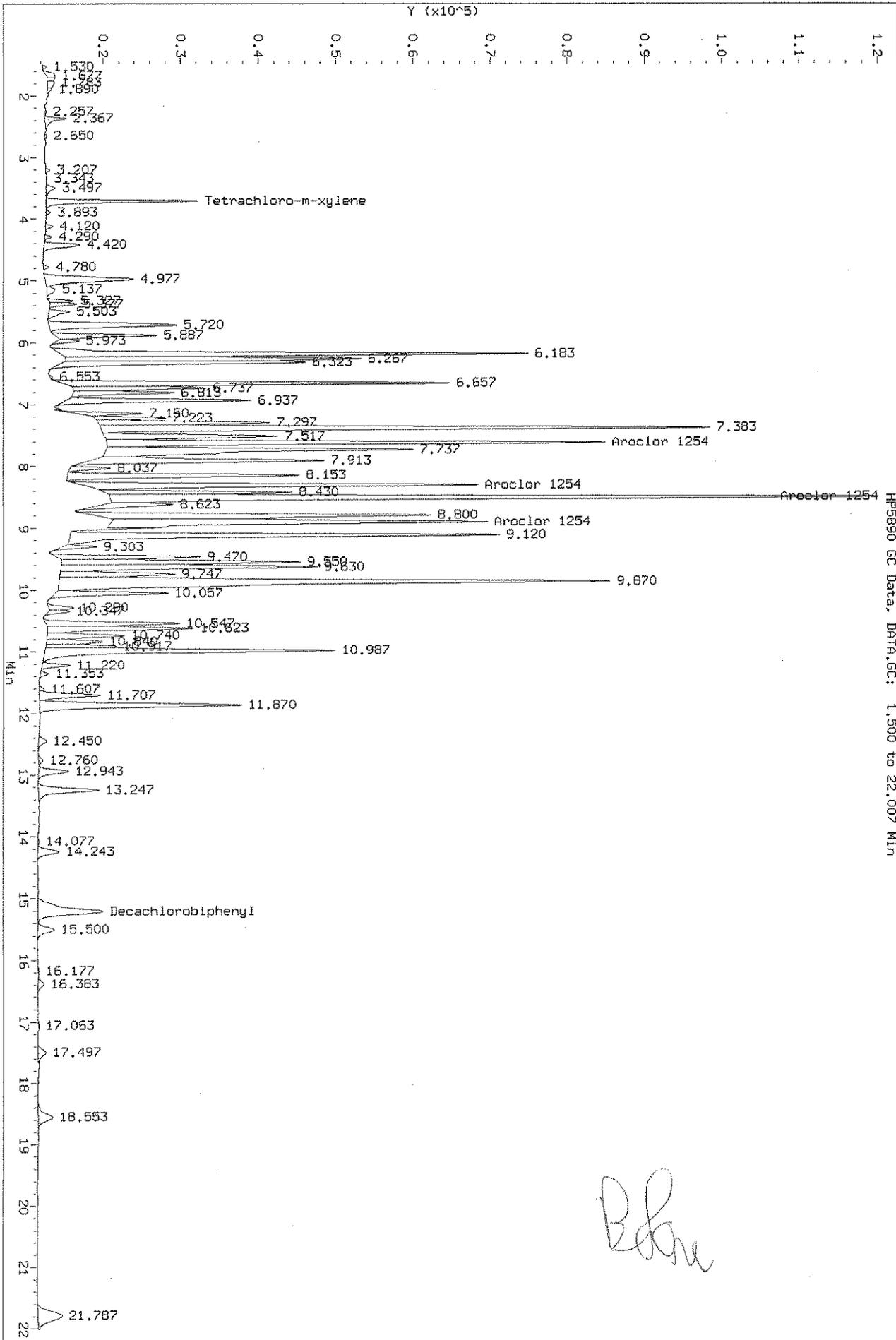
Instrument: GC09.i

Operator: JHSmith

Column diameter: 0.53

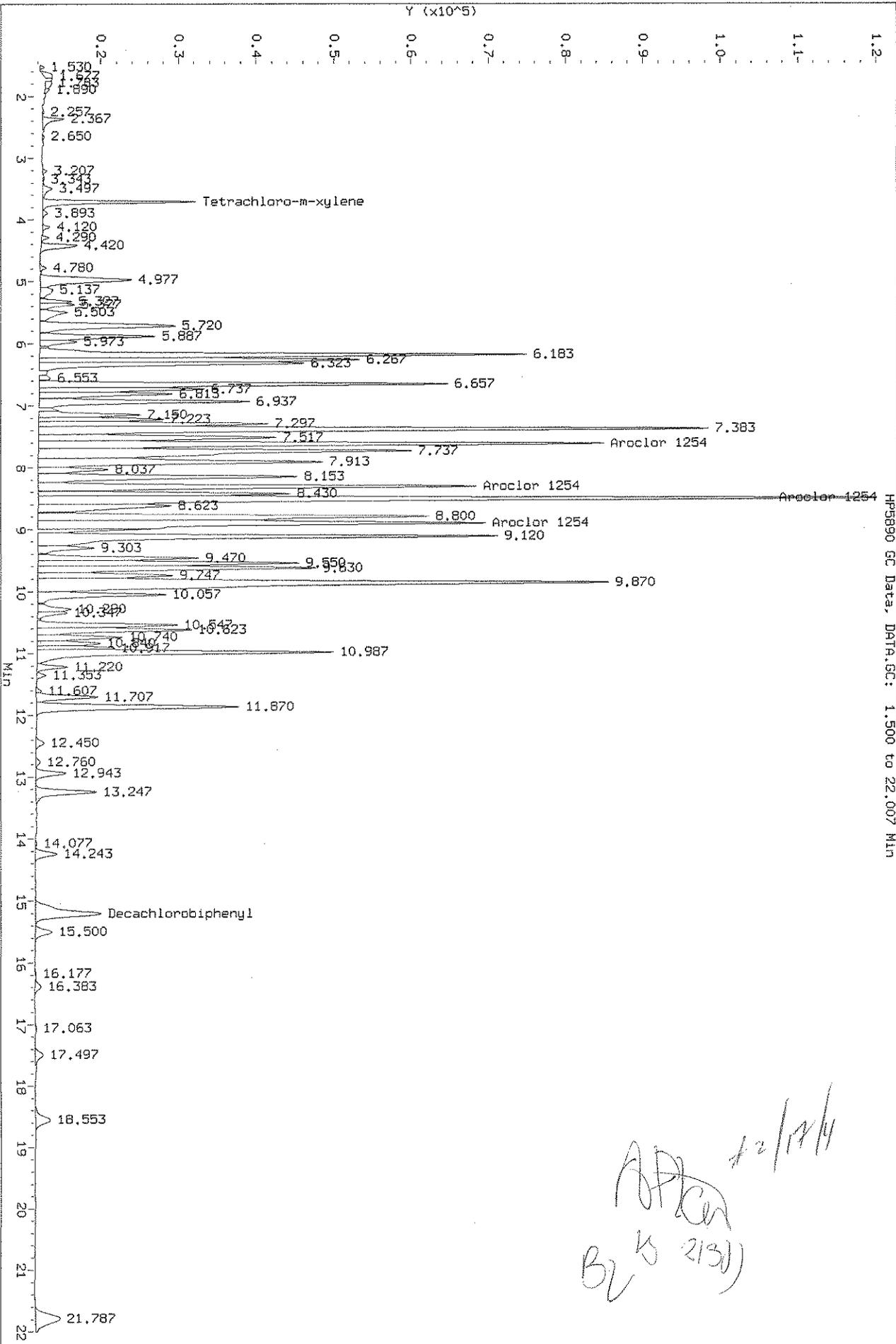


Data File: \\caesh1\acq\data\GC09\data\020711_B\0207F012.D
Injection Date: 07-FEB-2011 22:38
Instrument: GC09.1
Client Sample ID:



Below

Data File: \\cash1\acq\data\GC09\data\020711.B\0207F012.D
Injection Date: 07-FEB-2011 22:38
Instrument: GC09.1
Client Sample ID:



Handwritten notes:
AP (Cen)
B2 (S 2130)
#2/17/14

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Conestoga-Rovers & Associates, Incorpore
Project: 12th St. Landfill/56393-07
Sample Matrix: Soil

Service Request: K1100884
Date Collected: 02/01/2011
Date Received: 02/02/2011

Polychlorinated Biphenyls (PCBs)

Sample Name: SO-56393-020111-EV-001DMS
Lab Code: KWG1101157-2
Extraction Method: EPA 3541
Analysis Method: 8082A

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	178 PD	62	21	10	02/04/11	02/07/11	KWG1101157	
Aroclor 1221	ND U	130	21	10	02/04/11	02/07/11	KWG1101157	
Aroclor 1232	ND U	62	21	10	02/04/11	02/07/11	KWG1101157	
Aroclor 1242	ND U	62	21	10	02/04/11	02/07/11	KWG1101157	
Aroclor 1248	ND U	62	21	10	02/04/11	02/07/11	KWG1101157	
Aroclor 1254	1400 D	62	21	10	02/04/11	02/07/11	KWG1101157	
Aroclor 1260	669 D	62	21	10	02/04/11	02/07/11	KWG1101157	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	119	35-133	02/07/11	Acceptable

Comments: _____

Exception Report

Data File: \\CASHI\ACQU\DATA\GC09\DATA\020711.B\0207F013.D
Lab ID: KWG1101157-2 -- K1100884-001DMS
RunType: DMS
Matrix: SOIL

Date Acquired: 02/07/2011 23:05
Date Quantitated: 02/15/2011 14:32
Batch ID: KWG1101442
Analysis Method: 8082A
MethodJoinID: MJ696

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	*	NA	NA		x

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Surrogates	Decachlorobiphenyl	148	35	133	<i>hmk</i>

Primary Review: *mcsn*

Secondary Review: *hmk*

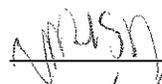
Exception Report

Data File: \\CASH1\ACQU\DATA\GC09\DATA\020711_R.B\0207R013.D
Lab ID: KWG1101157-2 -- K1100884-001DMS
RunType: DMS
Matrix: SOIL

Date Acquired: 02/07/2011 23:05
Date Quantitated: 02/15/2011 14:32
Batch ID: KWG1101442
Analysis Method: 8082A
MethodJoinID: MJ696

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	*	NA	NA		x

Primary Review: 

Secondary Review: 2/17/11

Quantitation Report

Bottle ID:	Tier:	Matrix:	SOIL
Prod Code: 8082 PCB_LL	Collect Date:	Receive Date:	02/04/2011

Analysis Lot: KWG1101442	Prep Lot: KWG1101157	Report Group:
Analysis Method: 8082A	Prep Method: EPA 3541	
Prep Ref: 997020	Prep Date: 02/04/2011	

Quant Method: \\CASH1\ACQU\DATA\GC09\DATA\020711.B\102610_F.M	Calibration ID: CAL9990
Title:	
MB Ref: J:\GC09\DATA\020711.B\0207F009.D	Method ID: MJ696
	Quant based on Method

Data File #1: J:\GC09\DATA\020711.B\0207F013.D	Instrument: GC09.i
Data File #2: \\cash1\acquadata\GC09\data\020711_r.b\0207R013.D	Vial: 6
Acqu Date: 02/07/2011 23:05	Quant Date: 02/17/2011 16:29
Run Type: DMS	Dilution: 10.0
Lab ID: KWG1101157-2 -- K1100884-001DMS	Soln Conc. Units: ng/mL
Signal #1: DB-35MS	Signal #2: DB-XLB

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	Final Conc. Units: ug/Kg Dry Weight		Rpt
Tetrachloro-m-xylene	3.71	4.27 ^{0.00}	60845	56245	10.58	9.92	106OK	99OK	106OK
			%Recovery =		106OK	99OK	Limits =	10-135	
Decachlorobiphenyl	15.21 ^{0.00}	16.40	76909	65934	14.78	11.87	148*	119OK	119OK
			%Recovery =		148*	119OK	Limits =	35-133	

Target Compounds

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1016			0	0	145.40	1,067	178D	1310D	178PD ^{RPD}
Aroclor 1016 {1}	5.33 ^{0.00}	5.34 ^{+0.02}	9037	87009	136.82	515.05	168D	632D	RPD
Aroclor 1016 {2}	5.38 ^{0.00}	6.49 ^{-0.02}	10223	61740	88.31	376.01	108D	462D	RPD
Aroclor 1016 {3}	5.89 ^{0.00}	6.68 ^{0.00}	50497	225491	211.08	1,722	259D	2110D	RPD
Aroclor 1016 {4}	6.18 ^{+0.06}	6.77	0	178508	0.0000	1,175	21U	1440D	
Aroclor 1016 {5}	6.66 ^{0.00}	7.04 ^{0.00}	0	214552	0.0000	1,545	21U	1900D	
Aroclor 1221			0d	0d	0.0000	0.0000	21U	21U	21U
Aroclor 1221 {1}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1221 {2}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1221 {3}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1221 {4}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1232			0	0	0.0000	0.0000	21U	21U	21U
Aroclor 1232 {1}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1232 {2}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1232 {3}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1232 {4}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1242			0	0	0.0000	0.0000	21U	21U	21U
Aroclor 1242 {1}			0d	0d	0.0000	0.0000	21U	21U	

U: Undetected at or above MDL
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 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Data File #1:	J:\GC09\DATA\020711.B\0207F013.D	Instrument:	GC09.i
Data File #2:	\\cash1\acqdata\GC09\data\020711_r.b\0207R013.D	Vial:	6
Acqu Date:	02/07/2011 23:05	Quant Date:	02/17/2011 16:29
Run Type:	DMS	Dilution:	10.0
Lab ID:	KWG1101157-2 -- K1100884-001DMS	Soln Conc. Units:	ng/mL
Signal #1:	DB-35MS	Signal #2:	DB-XLB

Parameter Name	RT		Resp		ng/mL		ug/Kg		Rpt
	#1	#2	#1	#2	#1	#2	#1	#2	
Aroclor 1242 {2}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1242 {3}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1242 {4}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1242 {5}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1248			0	0	0.0000	0.0000	21U	21U	21U
Aroclor 1248 {1}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1248 {2}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1248 {3}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1248 {4}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1248 {5}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1254			0	0	1,111	1,121	1400D	1400D	1400D
Aroclor 1254 {1}	7.62	8.23	339938m	440273	984.32	1,087	1210D	1330D	
Aroclor 1254 {2}	8.31	8.79	275342m	243068	1,152	1,302	1410D	1600D	
Aroclor 1254 {3}	8.51	8.97	566933m	434683	1,167	1,211	1430D	1490D	
Aroclor 1254 {4}	8.91	9.56	375877m	236765	887.16	814.98	1090D	1000D	
Aroclor 1254 {5}	9.12	c 10.40	c 293024m	375818	1,367	1,191	1680D	1460D	
Aroclor 1260			0	0	545.07	695.52	669D	854D	669D
Aroclor 1260 {1}	9.12 ^{0.00}	c 9.30	236692	213523	605.42	799.11	743D	981D	
Aroclor 1260 {2}	9.87	9.82 ^{0.00}	401937	211110	980.95	697.88	1200D	857D	
Aroclor 1260 {3}		10.40 ^{0.00}	c 0	375818	0.0000	1,021	21U	1250D	
Aroclor 1260 {4}	10.54 ^{0.00}	11.03 ^{-0.01}	60683	150901	258.16	621.97	317D	764D	
Aroclor 1260 {5}	10.99	11.72	164505	151696	335.75	337.67	412D	415D	
Aroclor 1262			0	0	0.0000	0.0000	21U	21U	21U
Aroclor 1262 {1}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1262 {2}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1262 {3}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1262 {4}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1262 {5}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1268			0	0	0.0000	0.0000	21U	21U	21U
Aroclor 1268 {1}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1268 {2}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1268 {3}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1268 {4}			0d	0d	0.0000	0.0000	21U	21U	
Aroclor 1268 {5}			0d	0d	0.0000	0.0000	21U	21U	

The +/- after Retention Time symbolize the direction of the RT shift

Prep Amount: 40.08 g Dilution: 10.0
 Prep Final Vol: 4 mL Unit Factor: 1
 Solids: 81.3 %

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound
 D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis
 *: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 c: Result >= MRL, but MRL less than low point of ICAL
 e: check for co-elution

Laboratory Name

Sample #1 : \\cash1\acqdata\GC09\data\020711.B\0207F013.D
 Sample #2 : \\cash1\acqdata\GC09\data\020711_r.b\0207R013.D
 Inj Date : 07-FEB-2011 23:05
 Sample Info: K1100884-001DMS @ 10X
 Misc Info : SEMIVOA GC\W1100957\1-IB.H
 Cal Date : 08-FEB-2011 14:51
 Operator : JMSmith
 Inst ID : GC09.i
 Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\020711.B\102610_f.m
 Method #2 : \\cash1\acqdata\GC09\data\020711_r.b\102610_r.m
 Sub List #1 : ALL.SUB
 Sub List #2 : ALL.SUB
 Col #1 Phase : DB-35MS
 Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.713	4.270	60845	56245	10.6	9.92		100.00
Aroclor 1016	5.327	5.337	9037	87009	137	515	80.00- 120.00	100.00(H)
	5.377	6.490	10223	61740	88.3	376	139.58- 209.38	113.12(H)
	5.887	6.677	50497	225491	211	1720	284.42- 426.63	558.78(H)
	6.183	6.773		178508		1180	76.49- 114.73	205.16(H)
	6.657	7.043		214552		1540	70.51- 105.76	246.59(H)
	Average of Peak Amounts =				145	1070		
Aroclor 1254	7.620	8.227	339938	440273	984	1090	80.00- 120.00	100.00(M)
	8.313	8.787	275342	243068	1150	1300	56.77- 85.16	81.00(M)
	8.510	8.970	566933	434683	1170	1210	108.07- 162.10	166.78(M)
	8.910	9.563	375877	236765	887	815	81.99- 122.98	110.57(M)
	9.120	10.403	293024	375818	1370	1190	51.75- 77.62	86.20(M)
	Average of Peak Amounts =				1110	1120		
Aroclor 1260	9.120	9.303	236692	213523	605	799	80.00- 120.00	100.00(TH)
	9.870	9.820	401937	211110	981	698	80.46- 120.69	169.81(TH)
	0.000	10.403		375818		1020	105.16- 157.74	176.01(TH)
	10.543	11.027	60683	150901	258	622	51.88- 77.82	25.64(TH)
	10.987	11.720	164505	151696	336	338	97.47- 146.20	69.50(TH)
	Average of Peak Amounts =				545	695		
Decachlorobiphenyl	15.210	16.397	76909	65934	14.8	11.9		100.00

QC Flag Legend

T - Target compound detected outside RT window.
 M - Compound response manually integrated.
 H - Operator selected an alternate compound hit.

Data File: \\casha1\acq\data\GC09\data\020711.B\0207F013.D

Date: 07-FEB-2011 23:05

Client ID:

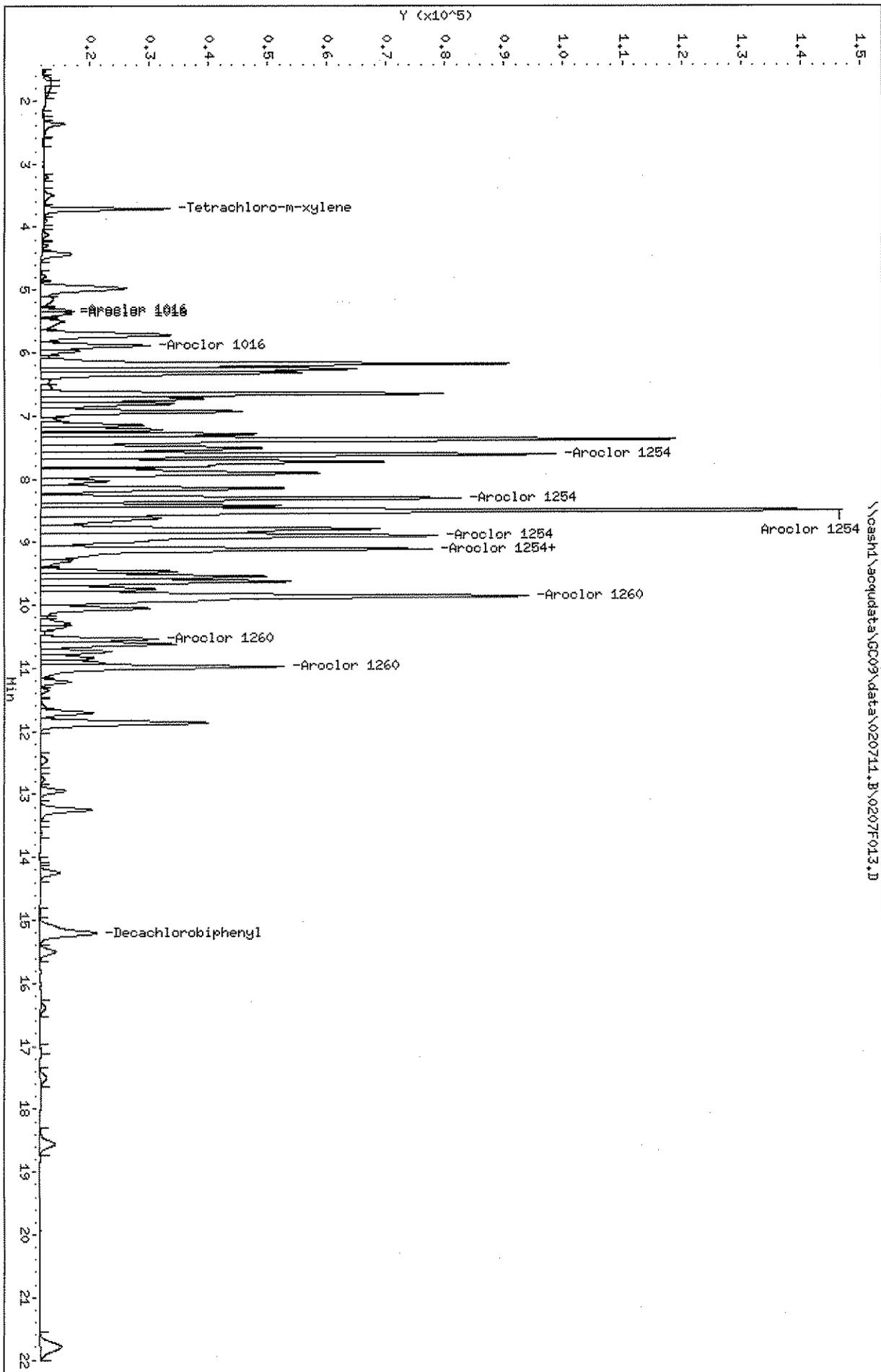
Sample Info: K1100884-001DMS e 10X

Column phase: DB-35MS

Instrument: GC09.i

Operator: JHSmith

Column diameter: 0.53



Data File: \\casha1\acq\data\GC09\data\020711_r.b\0207R013.D

Date: 07-FEB-2011 23:05

Client ID:

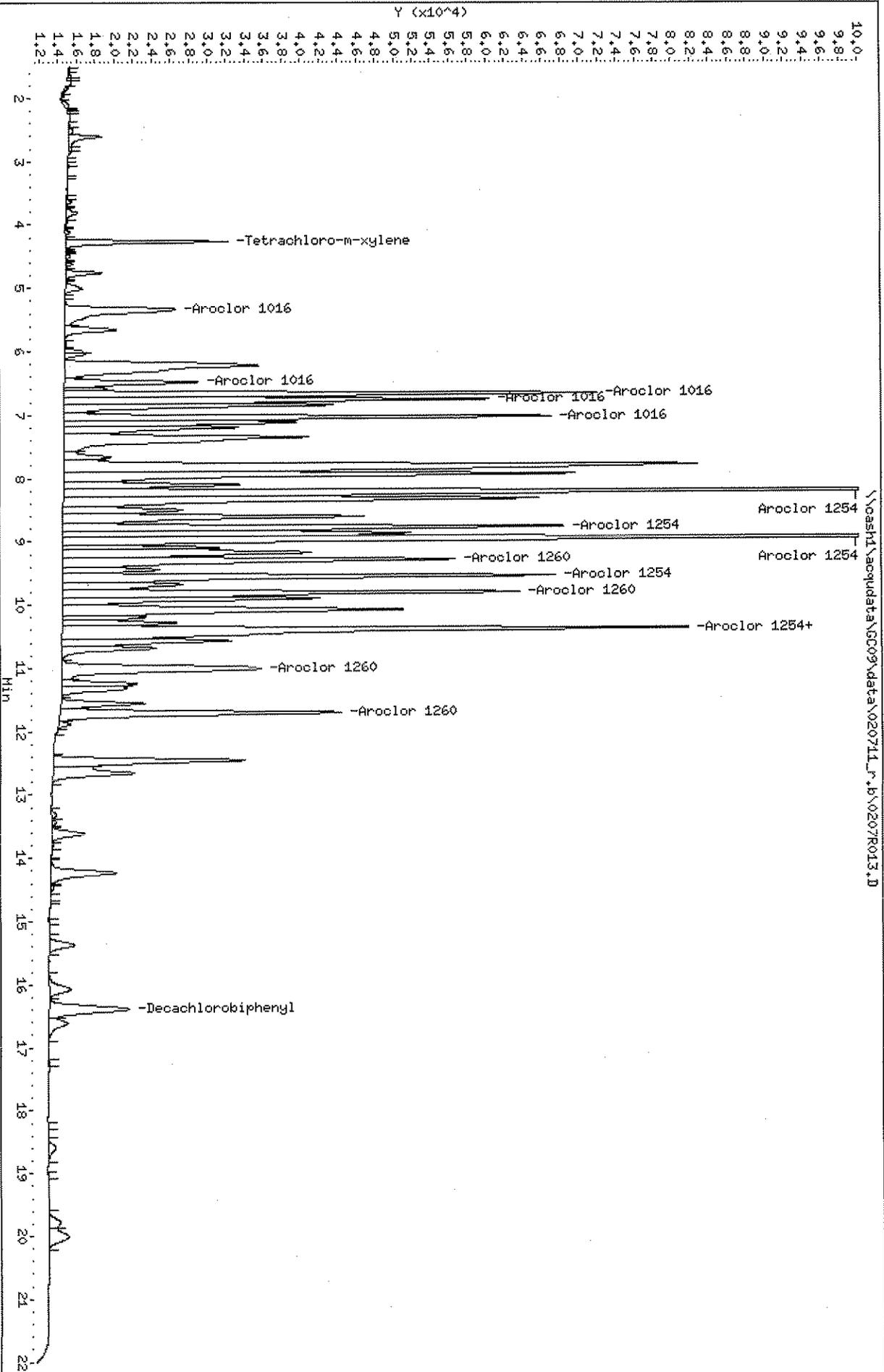
Sample Info: K1100884-001DMS @ 10X

Column phase: DB-XLB

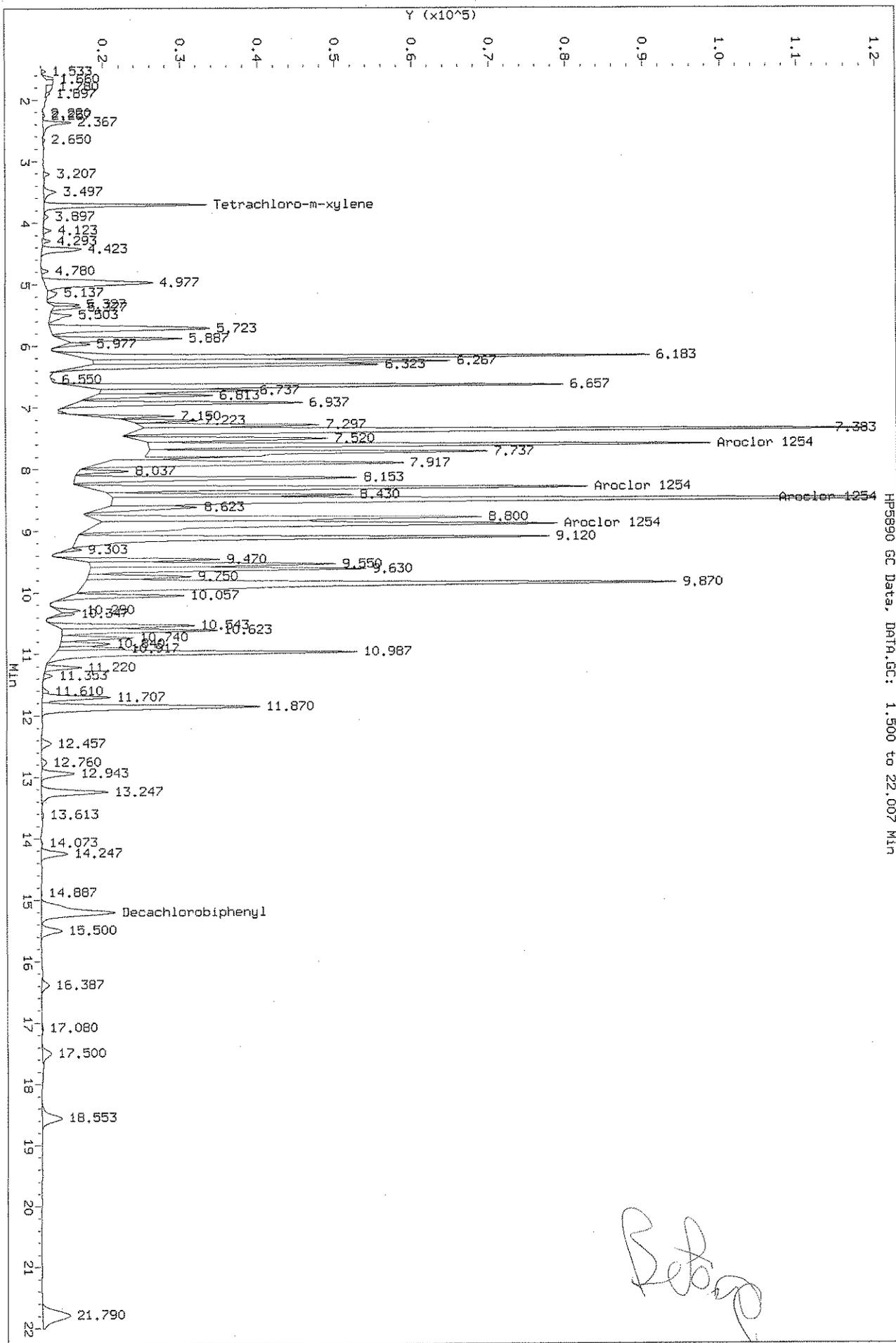
Instrument: GC09.1

Operator: JHSmith

Column diameter: 0.53



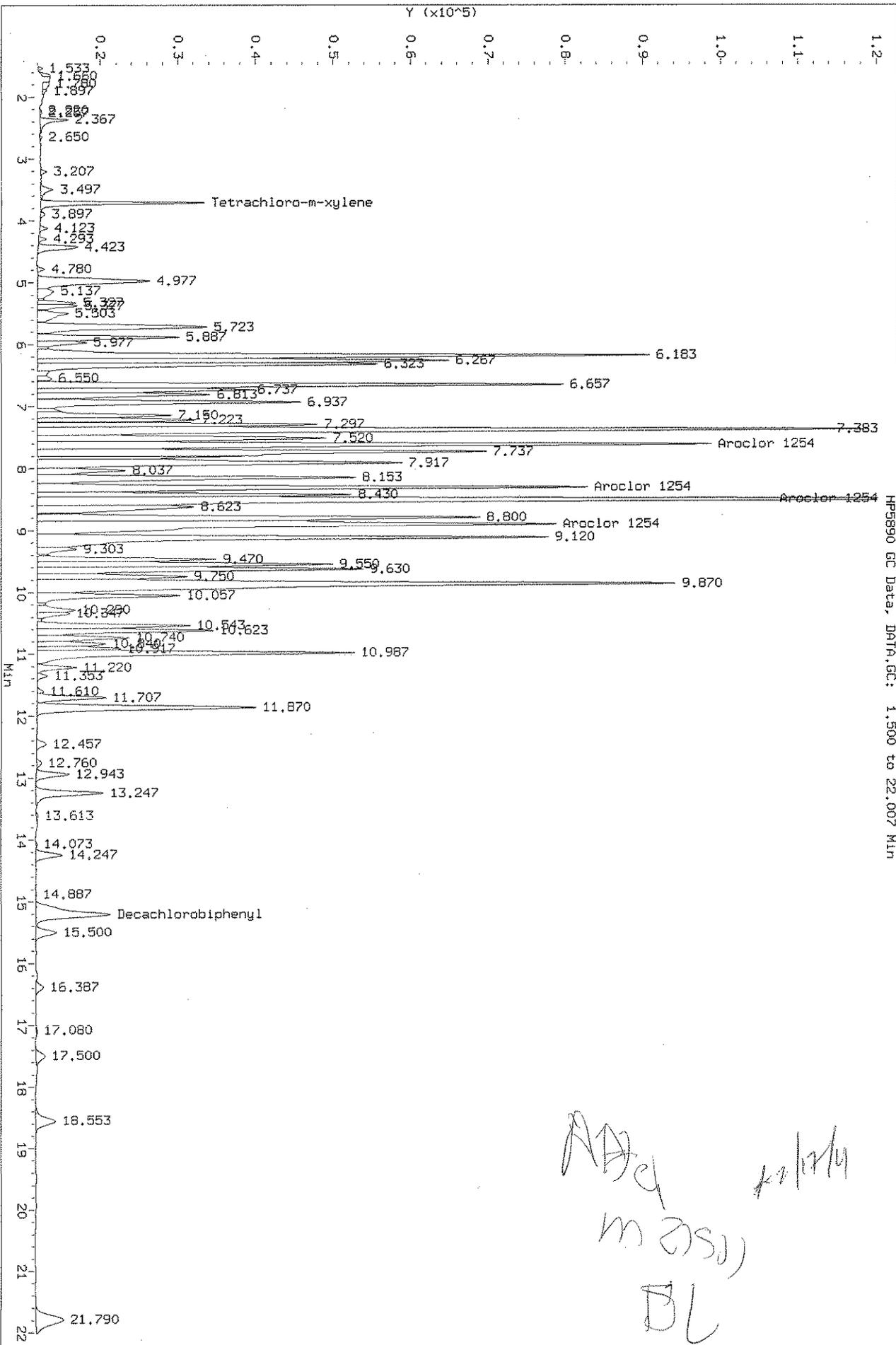
Data File: \\casha1\acquadata\GC09\data\020711.B\0207013.D
 Injection Date: 07-FEB-2011 23:05
 Instrument: GC09.1
 Client Sample ID:



HP5890 GC Data, DATA.GC: 1.500 to 22.007 MIN

Ret

Data File: \\caesh1\acq\data\GC09\data\020711.B\0207F013.D
 Injection Date: 07-FEB-2011 23:05
 Instrument: GC09.1
 Client Sample ID:



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Conestoga-Rovers & Associates, Incorpora
Project: 12th St. Landfill/56393-07
Sample Matrix: Soil

Service Request: K1100884
Date Collected: NA
Date Received: NA

Polychlorinated Biphenyls (PCBs)

Sample Name: Lab Control Sample
Lab Code: KWG1101157-3
Extraction Method: EPA 3541
Analysis Method: 8082A

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	165		10	2.1	1	02/04/11	02/07/11	KWG1101157	
Aroclor 1221	ND	U	20	2.1	1	02/04/11	02/07/11	KWG1101157	
Aroclor 1232	ND	U	10	2.1	1	02/04/11	02/07/11	KWG1101157	
Aroclor 1242	ND	U	10	2.1	1	02/04/11	02/07/11	KWG1101157	
Aroclor 1248	ND	U	10	2.1	1	02/04/11	02/07/11	KWG1101157	
Aroclor 1254	ND	U	10	2.1	1	02/04/11	02/07/11	KWG1101157	
Aroclor 1260	173		10	2.1	1	02/04/11	02/07/11	KWG1101157	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	86	35-133	02/07/11	Acceptable

Comments: _____

Exception Report

Data File: \\CASH\ACQU\DATA\GC09\DATA\020711_R.B\0207R008.D
Lab ID: KWG1101157-3
RunType: LCS
Matrix: SOIL

Date Acquired: 02/07/2011 20:52
Date Quantitated: 02/15/2011 14:32
Batch ID: KWG1101442
Analysis Method: 8082A
MethodJoinID: MJ696

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: JM/USA

Secondary Review: 2/15/11

Quantitation Report

Bottle ID:	Tier:	Matrix:	SOIL
Prod Code: 8082 PCB_LL	Collect Date:	Receive Date:	02/04/2011

Analysis Lot: KWG1101442	Prep Lot: KWG1101157	Report Group:
Analysis Method: 8082A	Prep Method: EPA 3541	
Prep Ref: 997021	Prep Date: 02/04/2011	

Quant Method: \\CASH1\ACQU\DATA\GC09\DATA\020711.B\102610_F.M	Calibration ID: CAL9990
Title:	
MB Ref: J:\GC09\DATA\020711.B\0207F009.D	Method ID: MJ696
	Quant based on Method

Data File #1: J:\GC09\DATA\020711.B\0207F008.D	Instrument: GC09.i
Data File #2: \\cash1\acqudata\GC09\data\020711_r.b\0207R008.D	Vial: 1
Acqu Date: 02/07/2011 20:52	Quant Date: 02/15/2011 14:32
Run Type: LCS	Dilution: 1.0
Lab ID: KWG1101157-3	Soln Conc. Units: ng/mL
Signal #1: DB-35MS	Signal #2: DB-XLB

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Tetrachloro-m-xylene	3.71	4.27	478443	467700	83.17	82.52			83OK
			%Recovery =		83OK	83OK	Limits =	10-135	
Decachlorobiphenyl	15.21	16.40	423384	479576	81.38	86.33			86OK
			%Recovery =		81OK	86OK	Limits =	35-133	

Target Compounds

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	Final Conc. Units: ug/Kg Wet Weight				Rpt
					ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	
Aroclor 1016			0	0	824.41	856.58	165	171	165
Aroclor 1016 {1}	5.33	5.32	55419	137723	839.06	815.25	168	163	
Aroclor 1016 {2}	5.38	6.50 ^{0.00}	100507	136515	868.18	831.40	174	166	
Aroclor 1016 {3}	5.89	6.68	198999	116144	831.81	886.88	166	177	
Aroclor 1016 {4}	6.12 ^{0.00}	6.77	81097	134103	694.51	882.72	139	177	
Aroclor 1016 {5}	6.66	7.04 ^{0.00}	148018	120322	888.48	866.67	178	173	
Aroclor 1221			0	0	0.0000	0.0000	2.1U	2.1U	2.1U
Aroclor 1221 {1}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1221 {2}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1221 {3}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1221 {4}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1232			0	0	0.0000	0.0000	2.1U	2.1U	2.1U
Aroclor 1232 {1}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1232 {2}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1232 {3}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1232 {4}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1242			0	0	0.0000	0.0000	2.1U	2.1U	2.1U
Aroclor 1242 {1}			0d	0d	0.0000	0.0000	2.1U	2.1U	

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Data File #1:	J:\GC09\DATA\020711.B\0207F008.D	Instrument:	GC09.i
Data File #2:	\\cash1\acqdata\GC09\data\020711_r.b\0207R008.D	Vial:	1
Acqu Date:	02/07/2011 20:52	Quant Date:	02/15/2011 14:32
Run Type:	LCS	Dilution:	1.0
Lab ID:	KWG1101157-3	Soln Conc. Units:	ng/mL
Signal #1:	DB-35MS	Signal #2:	DB-XLB

Target Compounds Final Conc. Units: ug/Kg Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1242 {2}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1242 {3}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1242 {4}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1242 {5}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1248			0	0	0.0000	0.0000	2.1U	2.1U	2.1U
Aroclor 1248 {1}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1248 {2}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1248 {3}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1248 {4}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1248 {5}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1254			0	0	0.0000	0.0000	2.1U	2.1U	2.1U
Aroclor 1254 {1}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1254 {2}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1254 {3}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1254 {4}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1254 {5}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1260			0	0	873.00	865.16	175	173	173
Aroclor 1260 {1}	9.12 ^{0.00}	9.30	315414m	235281	806.79	880.53	161	176	
Aroclor 1260 {2}	9.87 ^{0.00}	9.82	273957m	252021	668.61	833.13	134	167	
Aroclor 1260 {3}	9.94	10.41	256696m	277173	1,054	753.00	211	151	
Aroclor 1260 {4}	10.54 ^{0.00}	11.04	224611m	237286	955.54	978.02	191	196	
Aroclor 1260 {5}	10.99	11.72	431112m	395839	879.89	881.12	176	176	
Aroclor 1262			0	0	0.0000	0.0000	2.1U	2.1U	2.1U
Aroclor 1262 {1}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1262 {2}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1262 {3}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1262 {4}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1262 {5}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1268			0	0	0.0000	0.0000	2.1U	2.1U	2.1U
Aroclor 1268 {1}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1268 {2}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1268 {3}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1268 {4}			0d	0d	0.0000	0.0000	2.1U	2.1U	
Aroclor 1268 {5}			0d	0d	0.0000	0.0000	2.1U	2.1U	

The +/- after Retention Time symbolize the direction of the RT shift

Prep Amount: 20.00 g Dilution: 1.0
 Prep Final Vol: 4 mL Unit Factor: 1
 Solids: %

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
 F: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound
 D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis
 *: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Laboratory Name

Sample #1 : \\cash1\acqdata\GC09\data\020711.B\0207F008.D
 Sample #2 : \\cash1\acqdata\GC09\data\020711_r.b\0207R008.D
 Inj Date : 07-FEB-2011 20:52
 Sample Info: KQ1100983-03LCS
 Misc Info : SEMIVOA GC\W1100957\1-IB.H
 Cal Date : 08-FEB-2011 14:51
 Operator : JMSmith
 Inst ID : GC09.i
 Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\020711.B\102610_f.m
 Method #2 : \\cash1\acqdata\GC09\data\020711_r.b\102610_r.m
 Sub List #1 : ALL.SUB
 Sub List #2 : ALL.SUB
 Col #1 Phase : DB-35MS
 Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.713	4.273	478443	467700	83.2	82.5		100.00
Aroclor 1016	5.330	5.320	55419	137723	839	815	80.00- 120.00	100.00
	5.380	6.503	100507	136515	868	831	139.58- 209.38	181.36
	5.890	6.680	198999	116144	832	887	284.42- 426.63	359.08
	6.123	6.773	81097	134103	694	883	129.38- 194.07	146.33
	6.660	7.043	148018	120322	888	867	206.47- 309.71	267.09
	Average of Peak Amounts =				824	857		
Aroclor 1260	9.120	9.303	315414	235281	807	880	80.00- 120.00	100.00(M)
	9.867	9.823	273957	252021	669	833	80.46- 120.69	86.86(M)
	9.940	10.407	256696	277173	1050	753	52.68- 79.02	81.38(M)
	10.543	11.040	224611	237286	956	978	51.88- 77.82	71.21(M)
	10.987	11.720	431112	395839	880	881	97.47- 146.20	136.68(M)
	Average of Peak Amounts =				872	865		
Decachlorobiphenyl	15.213	16.397	423384	479576	81.4	86.3		100.00

QC Flag Legend

M - Compound response manually integrated.

Data File: \nosahd\acq\data\GC09\data\020711_r.b\0207R008.D

Date : 07-FEB-2011 20:52

Client ID:

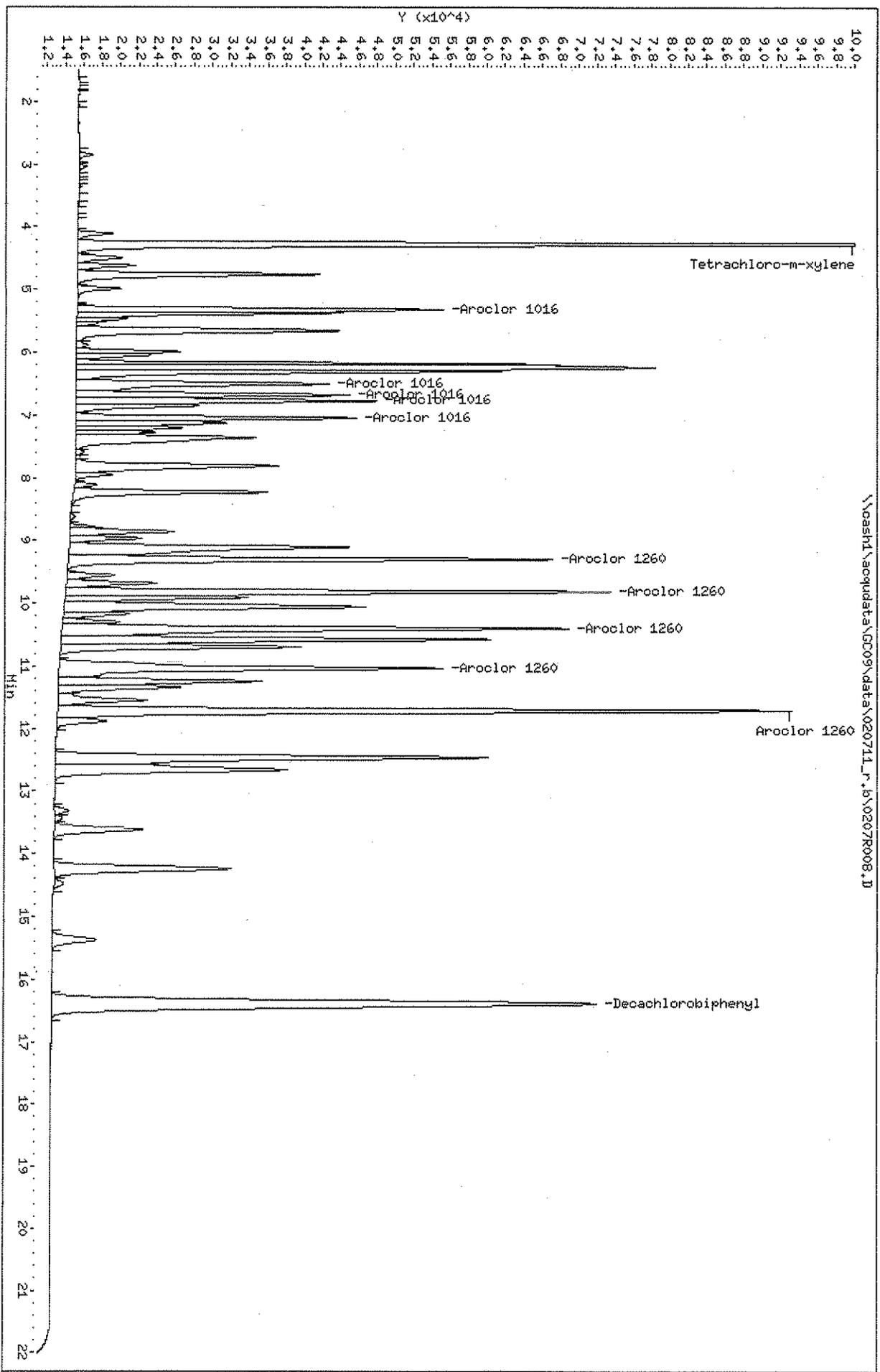
Sample Info: K01100983-03LCS

Column phase: DB-XLB

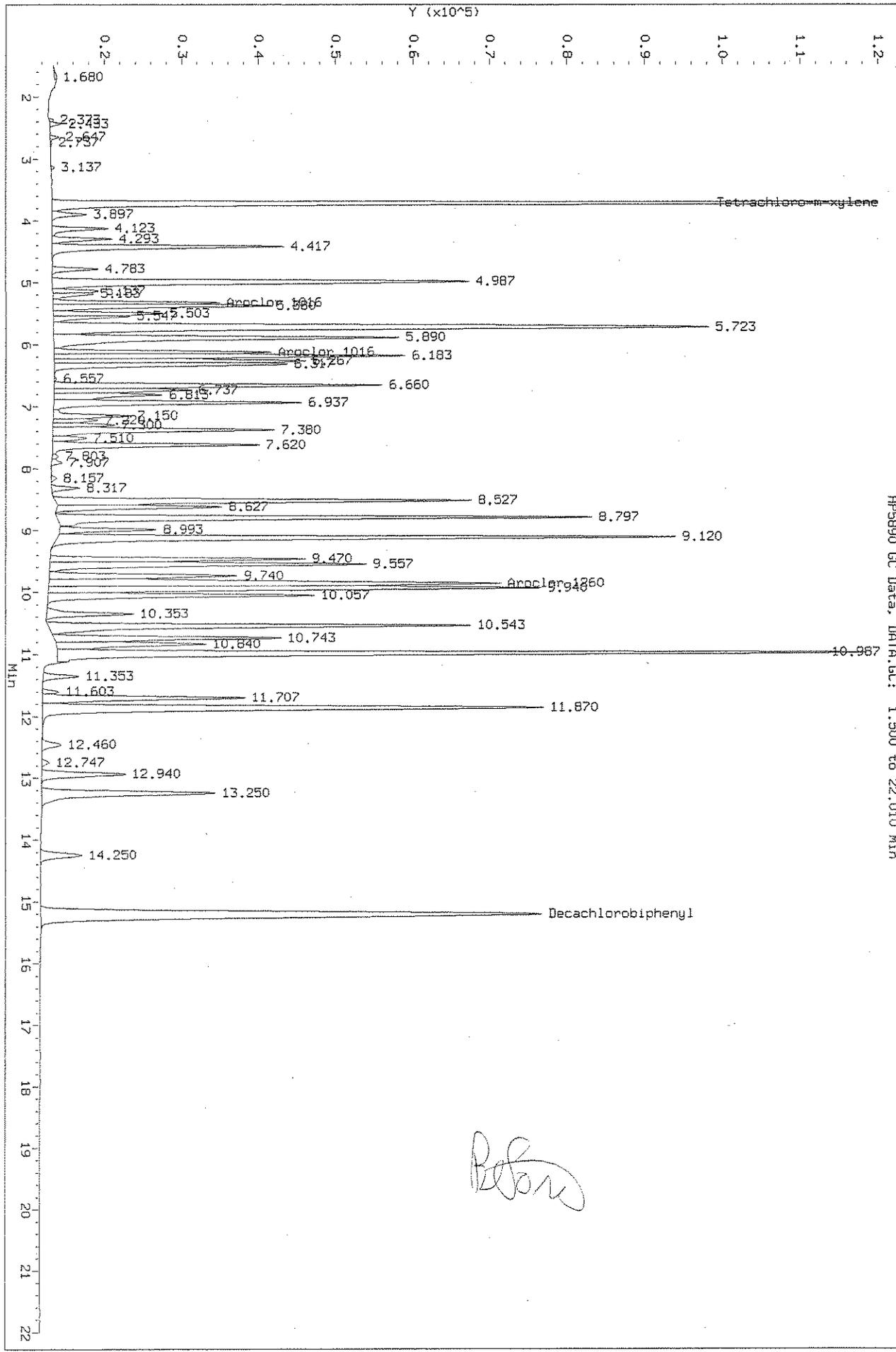
Instrument: GC09.i

Operator: JHSmith

Column diameter: 0.53



Data File: \\casha1\acq\data\GC09\data\020711_B\02071008.D
 Injection Date: 07-FEB-2011 20:52
 Instrument: GC09.1
 Client Sample ID:

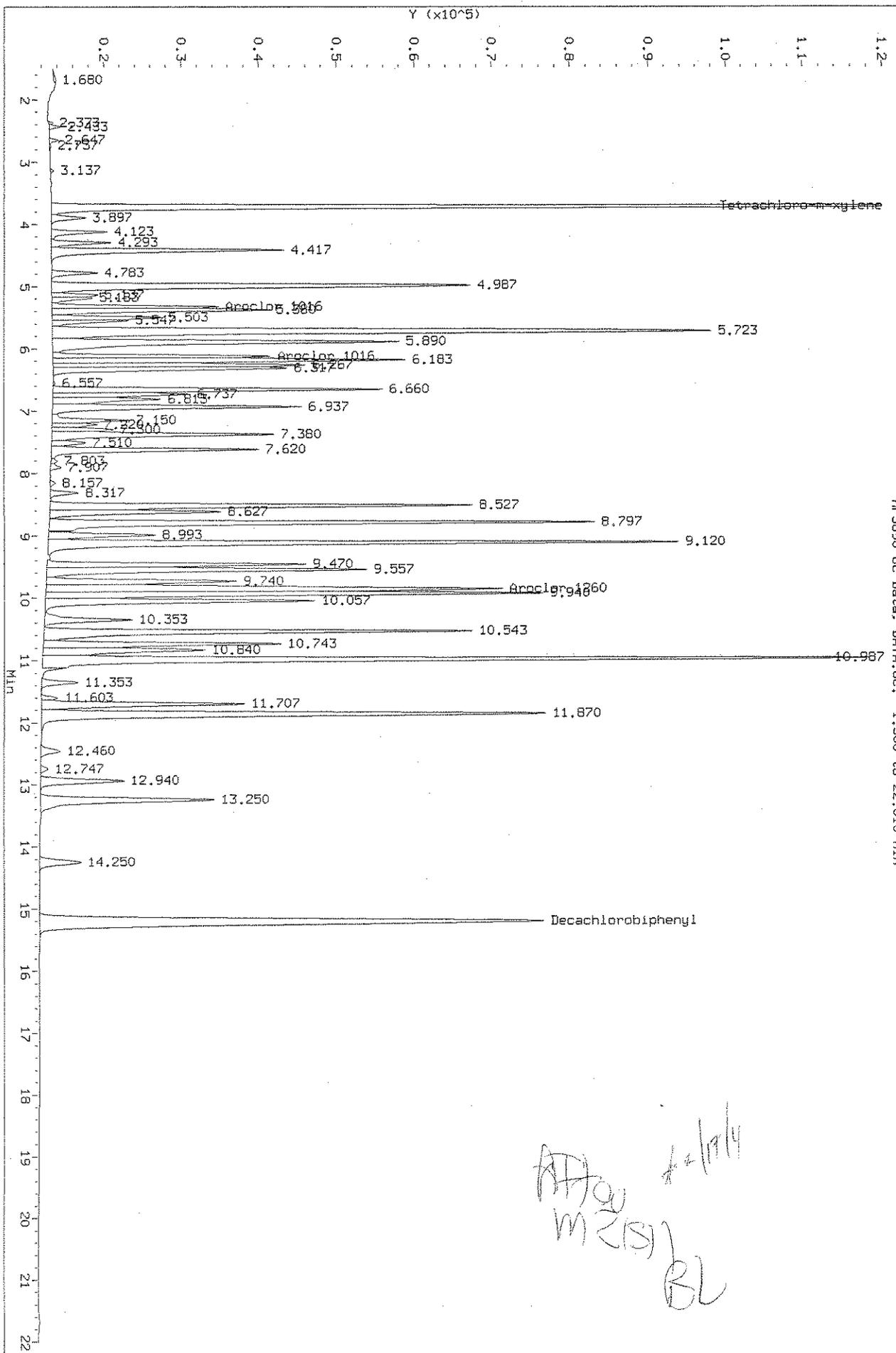


HP5890 GC Data, DATA.GC: 1.500 to 22.010 Min

Ref

Data File: \\casha1\accudata\GF09\data\020711.B\0207F008.D
Injection Date: 07-FEB-2011 20:52
Instrument: GC09.1
Client Sample ID:

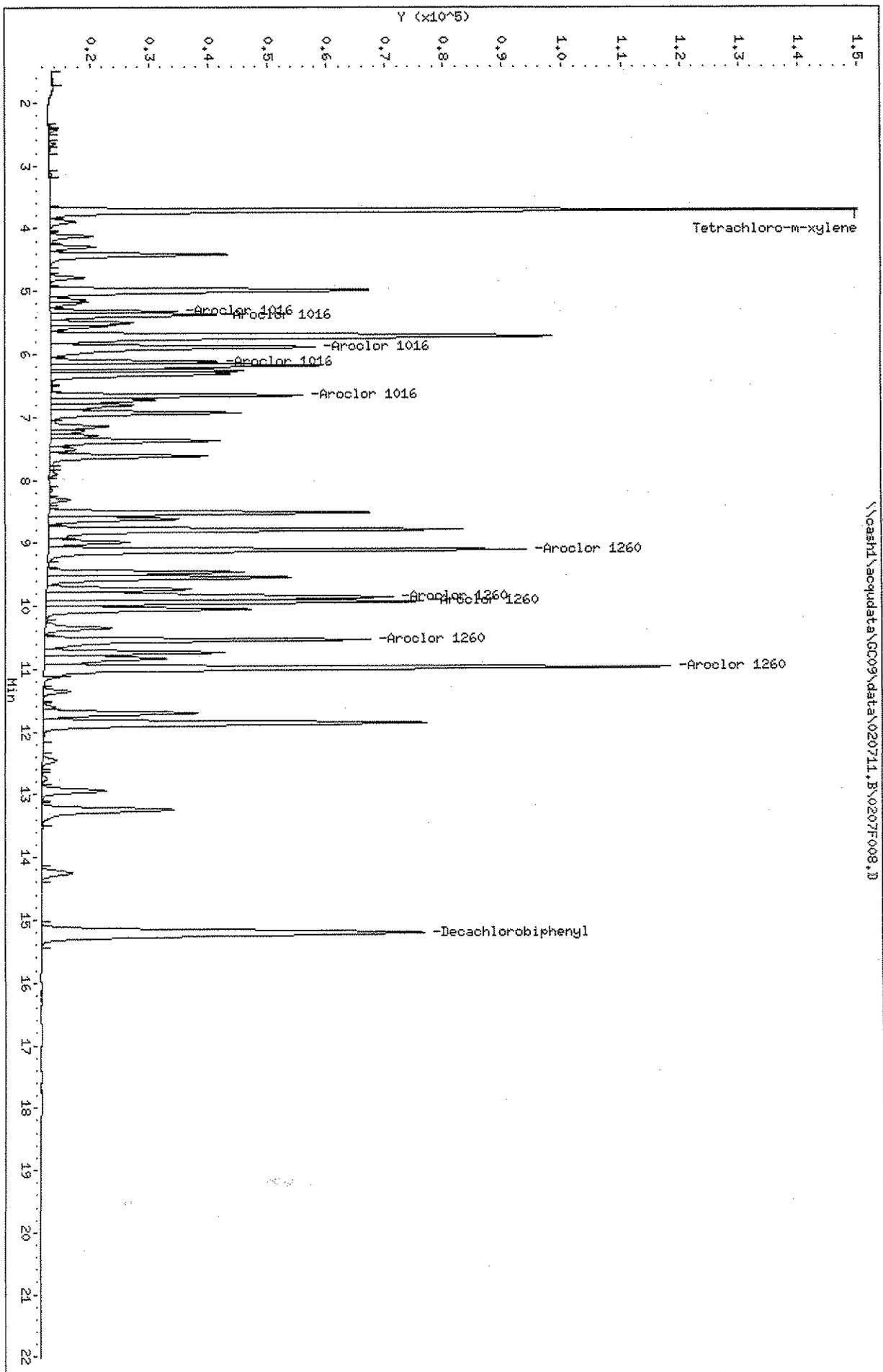
HP5890 GC Data, DATA.GC: 1.500 to 22.010 Min



ATTN: MZ(S) BL
2/17/14

Data File: \\casha1\acq\data\GC09\data\020711.B\0207F008.D
Date: 07-FEB-2011 20:52
Client ID:
Sample Info: K01100983-03LCS
Column phase: DB-35MS

Instrument: GC09.i
Operator: JHSmith
Column diameter: 0.53



Organic Analysis:
Polychlorinated Biphenyls (PCBs)

Validation Package

Standards Data

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Conestoga-Rovers & Associates, Incorpora
 Project: 12th St. Landfill/56393-07

Service Request: K1100884
 Calibration Date: 10/27/2010

Initial Calibration Summary
 Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL9990
 Instrument ID: GC09.i

Column: DB-35MS

Level ID	File ID	Level ID	File ID
A	\\cash1\acqdata\GC09\data\102610.B\1026F003.D	Q	\\cash1\acqdata\GC09\data\102610.B\1026F019.D
B	\\cash1\acqdata\GC09\data\102610.B\1026F004.D	R	\\cash1\acqdata\GC09\data\102610.B\1026F020.D
C	\\cash1\acqdata\GC09\data\102610.B\1026F005.D	S	\\cash1\acqdata\GC09\data\102610.B\1026F021.D
D	\\cash1\acqdata\GC09\data\102610.B\1026F006.D	T	\\cash1\acqdata\GC09\data\102610.B\1026F022.D
E	\\cash1\acqdata\GC09\data\102610.B\1026F007.D	U	\\cash1\acqdata\GC09\data\102610.B\1026F023.D
F	\\cash1\acqdata\GC09\data\102610.B\1026F008.D	V	\\cash1\acqdata\GC09\data\102610.B\1026F024.D
G	\\cash1\acqdata\GC09\data\102610.B\1026F009.D	W	\\cash1\acqdata\GC09\data\102610.B\1026F025.D
H	\\cash1\acqdata\GC09\data\102610.B\1026F010.D	X	\\cash1\acqdata\GC09\data\102610.B\1026F026.D
I	\\cash1\acqdata\GC09\data\102610.B\1026F011.D	Y	\\cash1\acqdata\GC09\data\102610.B\1026F027.D
J	\\cash1\acqdata\GC09\data\102610.B\1026F012.D	Z	\\cash1\acqdata\GC09\data\102610.B\1026F028.D
K	\\cash1\acqdata\GC09\data\102610.B\1026F013.D	AA	\\cash1\acqdata\GC09\data\102610.B\1026F029.D
L	\\cash1\acqdata\GC09\data\102610.B\1026F014.D	AB	\\cash1\acqdata\GC09\data\102610.B\1026F030.D
M	\\cash1\acqdata\GC09\data\102610.B\1026F015.D	AC	\\cash1\acqdata\GC09\data\102610.B\1026F031.D
N	\\cash1\acqdata\GC09\data\102610.B\1026F016.D	AD	\\cash1\acqdata\GC09\data\102610.B\1026F032.D
O	\\cash1\acqdata\GC09\data\102610.B\1026F017.D		
P	\\cash1\acqdata\GC09\data\102610.B\1026F018.D		

Analyte Name	Level ID			Level ID			Level ID			Level ID			Level ID		
	ID	Amt	RF	ID	Amt	RF	ID	Amt	RF	ID	Amt	RF	ID	Amt	RF
Decachlorobiphenyl	A	2.5	6450	B	5.0	6260	C	50	5380	D	100	4900	E	200	4290
	F	500	3940												
Aroclor 1016 {1}	A	25	70.0	B	50	73.3	C	500	73.9	D	1000	65.8	E	2000	58.7
	F	5000	54.5												
Aroclor 1016 {2}	A	25	128	B	50	130	C	500	129	D	1000	115	E	2000	102
	F	5000	91.2												
Aroclor 1016 {3}	A	25	289	B	50	293	C	500	250	D	1000	227	E	2000	198
	F	5000	178												
Aroclor 1016 {4}	A	25	129	B	50	137	C	500	126	D	1000	114	E	2000	101
	F	5000	94.2												
Aroclor 1016 {5}	A	25	197	B	50	196	C	500	180	D	1000	160	E	2000	140
	F	5000	126												
Aroclor 1260 {1}	A	25	478	B	50	464	C	500	372	D	1000	341	E	2000	299
Aroclor 1260 {2}	A	25	481	B	50	468	C	500	407	D	1000	362	E	2000	331
Aroclor 1260 {3}	A	25	278	B	50	275	C	500	241	D	1000	226	E	2000	198
Aroclor 1260 {4}	A	25	238	B	50	264	C	500	240	D	1000	227	E	2000	207

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Conestoga-Rovers & Associates, Incorpora
Project: 12th St. Landfill/56393-07

Service Request: K1100884
Calibration Date: 10/27/2010

**Initial Calibration Summary
 Polychlorinated Biphenyls (PCBs)**

Calibration ID: CAL9990
Instrument ID: GC09.i

Column: DB-35MS

Analyte Name	Level			Level			Level			Level					
	ID	Amt	RF	ID	Amt	RF	ID	Amt	RF	ID	Amt	RF	ID	Amt	RF
Aroclor 1260 {5}	A	25	530	B	50	534	C	500	503	D	1000	463	E	2000	420

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Conestoga-Rovers & Associates, Incorpara
Project: 12th St. Landfill/56393-07

Service Request: K1100884
Calibration Date: 10/27/2010

**Initial Calibration Summary
 Polychlorinated Biphenyls (PCBs)**

Calibration ID: CAL9990
Instrument ID: GC09.i

Column: DB-35MS

Analyte Name	Compound Type	Calibration Evaluation				Control Criteria
		Fit Type	Eval.	Eval. Result	Q	
Decachlorobiphenyl	SURR	AverageRF	% RSD	19.7		≤ 20
Aroclor 1016 {1}	MULTI	AverageRF	% RSD	12.1		≤ 20
Aroclor 1016 {2}	MULTI	AverageRF	% RSD	14.1		≤ 20
Aroclor 1016 {3}	MULTI	AverageRF	% RSD	19.6		≤ 20
Aroclor 1016 {4}	MULTI	AverageRF	% RSD	14.4		≤ 20
Aroclor 1016 {5}	MULTI	AverageRF	% RSD	17.7		≤ 20
Aroclor 1260 {1}	MULTI	AverageRF	% RSD	19.9		≤ 20
Aroclor 1260 {2}	MULTI	AverageRF	% RSD	15.9		≤ 20
Aroclor 1260 {3}	MULTI	AverageRF	% RSD	13.9		≤ 20
Aroclor 1260 {4}	MULTI	AverageRF	% RSD	8.8		≤ 20
Aroclor 1260 {5}	MULTI	AverageRF	% RSD	9.9		≤ 20

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Conestoga-Rovers & Associates, Incorp
Project: 12th St. Landfill/56393-07

Service Request: K1100884
Calibration Date: 10/27/2010
Date Analyzed: 10/27/2010

**Second Source Calibration Verification
 Polychlorinated Biphenyls (PCBs)**

Calibration Type: External Standard
Analysis Method: 8082A

Calibration ID: CAL9990
Units: ng/mL

File ID: \\cash1\acqdata\GC09\data\102610.B\1026F033.D
 \\cash1\acqdata\GC09\data\102610.B\1026F034.D
 \\cash1\acqdata\GC09\data\102610.B\1026F035.D
 \\cash1\acqdata\GC09\data\102610.B\1026F036.D
 \\cash1\acqdata\GC09\data\102610.B\1026F037.D
 \\cash1\acqdata\GC09\data\102610.B\1026F038.D
 \\cash1\acqdata\GC09\data\102610.B\1026F039.D
 \\cash1\acqdata\GC09\data\102610.B\1026F040.D
 \\cash1\acqdata\GC09\data\102610.B\1026F041.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Aroclor 1016 {1}	1000	1000	66.0	66.5	1	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	970	116	113	-3	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	940	239	225	-6	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	980	117	114	-2	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	960	167	159	-4	NA	± 100 %	AverageRF
Aroclor 1016	1000	970	NA	NA	NA	-3	± 20 %	NA
Aroclor 1260 {1}	1000	1000	391	395	1	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	950	410	388	-5	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1200	243	304	25	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1200	235	292	24	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1200	490	608	24	NA	± 100 %	AverageRF
Aroclor 1260	1000	1100	NA	NA	NA	14	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound

‡ CCC Compound

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Conestoga-Rovers & Associates, Incorpora
Project: 12th St. Landfill/56393-07

Service Request: K1100884
Calibration Date: 10/27/2010

**Initial Calibration Summary
 Polychlorinated Biphenyls (PCBs)**

Calibration ID: CAL9990
Instrument ID: GC09.i

Column: DB-XLB

Level ID	File ID	Level ID	File ID
A	\\cash1\acqdata\GC09\data\102610_r.b\1026R003.D	Q	\\cash1\acqdata\GC09\data\102610_r.b\1026R019.D
B	\\cash1\acqdata\GC09\data\102610_r.b\1026R004.D	R	\\cash1\acqdata\GC09\data\102610_r.b\1026R020.D
C	\\cash1\acqdata\GC09\data\102610_r.b\1026R005.D	S	\\cash1\acqdata\GC09\data\102610_r.b\1026R021.D
D	\\cash1\acqdata\GC09\data\102610_r.b\1026R006.D	T	\\cash1\acqdata\GC09\data\102610_r.b\1026R022.D
E	\\cash1\acqdata\GC09\data\102610_r.b\1026R007.D	U	\\cash1\acqdata\GC09\data\102610_r.b\1026R023.D
F	\\cash1\acqdata\GC09\data\102610_r.b\1026R008.D	V	\\cash1\acqdata\GC09\data\102610_r.b\1026R024.D
G	\\cash1\acqdata\GC09\data\102610_r.b\1026R009.D	W	\\cash1\acqdata\GC09\data\102610_r.b\1026R025.D
H	\\cash1\acqdata\GC09\data\102610_r.b\1026R010.D	X	\\cash1\acqdata\GC09\data\102610_r.b\1026R026.D
I	\\cash1\acqdata\GC09\data\102610_r.b\1026R011.D	Y	\\cash1\acqdata\GC09\data\102610_r.b\1026R027.D
J	\\cash1\acqdata\GC09\data\102610_r.b\1026R012.D	Z	\\cash1\acqdata\GC09\data\102610_r.b\1026R028.D
K	\\cash1\acqdata\GC09\data\102610_r.b\1026R013.D	AA	\\cash1\acqdata\GC09\data\102610_r.b\1026R029.D
L	\\cash1\acqdata\GC09\data\102610_r.b\1026R014.D	AB	\\cash1\acqdata\GC09\data\102610_r.b\1026R030.D
M	\\cash1\acqdata\GC09\data\102610_r.b\1026R015.D	AC	\\cash1\acqdata\GC09\data\102610_r.b\1026R031.D
N	\\cash1\acqdata\GC09\data\102610_r.b\1026R016.D	AD	\\cash1\acqdata\GC09\data\102610_r.b\1026R032.D
O	\\cash1\acqdata\GC09\data\102610_r.b\1026R017.D		
P	\\cash1\acqdata\GC09\data\102610_r.b\1026R018.D		

Analyte Name	Level ID			Level ID			Level ID			Level ID			Level ID		
	ID	Amt	RF	ID	Amt	RF	ID	Amt	RF	ID	Amt	RF	ID	Amt	RF
Decachlorobiphenyl	A	2.5	6620	B	5.0	6560	C	50	5950	D	100	5340	E	200	4660
	F	500	4210												
Aroclor 1016 {1}	A	25	197	B	50	209	C	500	185	D	1000	158	E	2000	140
	F	5000	125												
Aroclor 1016 {2}	A	25	159	B	50	170	C	500	188	D	1000	172	E	2000	153
	F	5000	143												
Aroclor 1016 {3}	A	25	145	B	50	149	C	500	146	D	1000	130	E	2000	113
	F	5000	103												
Aroclor 1016 {4}	A	25	171	B	50	176	C	500	166	D	1000	150	E	2000	131
	F	5000	118												
Aroclor 1016 {5}	A	25	149	B	50	161	C	500	153	D	1000	138	E	2000	122
	F	5000	110												
Aroclor 1260 {1}	A	25	298	B	50	312	C	500	291	D	1000	260	E	2000	230
	F	5000	213												
Aroclor 1260 {2}	A	25	365	B	50	360	C	500	320	D	1000	285	E	2000	251
	F	5000	234												
Aroclor 1260 {3}	A	25	381	B	50	406	C	500	401	D	1000	369	E	2000	334
	F	5000	318												
Aroclor 1260 {4}	A	25	240	B	50	246	C	500	266	D	1000	248	E	2000	235
	F	5000	220												

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Conestoga-Rovers & Associates, Incorpora
Project: 12th St. Landfill/56393-07

Service Request: K1100884
Calibration Date: 10/27/2010

**Initial Calibration Summary
 Polychlorinated Biphenyls (PCBs)**

Calibration ID: CAL9990
Instrument ID: GC09.i

Column: DB-XLB

Analyte Name	Level			Level			Level			Level					
	ID	Amt	RF	ID	Amt	RF	ID	Amt	RF	ID	Amt	RF	ID	Amt	RF
Aroclor 1260 {5}	A	25	534	B	50	504	C	500	465	D	1000	430	E	2000	391
	F	5000	373												

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Conestoga-Rovers & Associates, Incorporated
Project: 12th St. Landfill/56393-07

Service Request: K1100884
Calibration Date: 10/27/2010

**Initial Calibration Summary
 Polychlorinated Biphenyls (PCBs)**

Calibration ID: CAL9990
Instrument ID: GC09.i

Column: DB-XLB

Analyte Name	Compound Type	Calibration Evaluation				Control Criteria
		Fit Type	Eval.	Eval. Result	Q	
Decachlorobiphenyl	SURR	AverageRF	% RSD	17.9		≤ 20
Aroclor 1016 {1}	MULTI	AverageRF	% RSD	19.7		≤ 20
Aroclor 1016 {2}	MULTI	AverageRF	% RSD	9.7		≤ 20
Aroclor 1016 {3}	MULTI	AverageRF	% RSD	14.5		≤ 20
Aroclor 1016 {4}	MULTI	AverageRF	% RSD	15.5		≤ 20
Aroclor 1016 {5}	MULTI	AverageRF	% RSD	14.0		≤ 20
Aroclor 1260 {1}	MULTI	AverageRF	% RSD	14.9		≤ 20
Aroclor 1260 {2}	MULTI	AverageRF	% RSD	18.2		≤ 20
Aroclor 1260 {3}	MULTI	AverageRF	% RSD	9.6		≤ 20
Aroclor 1260 {4}	MULTI	AverageRF	% RSD	6.4		≤ 20
Aroclor 1260 {5}	MULTI	AverageRF	% RSD	14.1		≤ 20

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Conestoga-Rovers & Associates, Incorpora
Project: 12th St. Landfill/56393-07

Service Request: K1100884
Calibration Date: 10/27/2010
Date Analyzed: 10/27/2010

**Second Source Calibration Verification
 Polychlorinated Biphenyls (PCBs)**

Calibration Type: External Standard
Analysis Method: 8082A

Calibration ID: CAL9990
Units: ng/mL

File ID: \\cash1\acqdata\GC09\data\102610_r.b\1026R033.D
 \\cash1\acqdata\GC09\data\102610_r.b\1026R034.D
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 \\cash1\acqdata\GC09\data\102610_r.b\1026R038.D
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 \\cash1\acqdata\GC09\data\102610_r.b\1026R040.D
 \\cash1\acqdata\GC09\data\102610_r.b\1026R041.D

Column ID: DB-XLB

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Aroclor 1016 {1}	1000	930	169	157	-7	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1000	164	165	0	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	930	131	121	-7	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	940	152	143	-6	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	960	139	133	-4	NA	± 100 %	AverageRF
Aroclor 1016	1000	950	NA	NA	NA	-5	± 20 %	NA
Aroclor 1260 {1}	1000	1100	267	297	11	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	1100	303	330	9	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1100	368	389	6	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1200	243	301	24	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1200	449	560	25	NA	± 100 %	AverageRF
Aroclor 1260	1000	1100	NA	NA	NA	15	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound

‡ CCC Compound

Sequence Name: D:\GC09\SEQUENCE\102610.S
 Comment: PCB Aroclors by EPA 8082
 Operator: LHarris
 Data Path: D:\GC09\DATA\102610.B\
 Pre-Seq Cmd:
 Post-Seq Cmd:

Method Sections To Run On A Barcode Mismatch
 (X) Full Method (X) Inject Anyway
 () Reprocessing Only () Don't Inject

Line Type Vial DataFile Method Sample Name

ICAL 9990

*Do not use to report hits for
 DOD 4.1 for 1221, 1232, or 1248*

Line	Type	Vial	DataFile	Method	Sample Name
1	DeleteGC				
2	MaskName				
3	IB	1	1026F001	PCB_REG	IB
4	IB	2	1026F002	PCB_REG	IB
5	ICAL	3	1026F003	PCB_REG	1660 @ 25ppb PCB5-55F
6	ICAL	4	1026F004	PCB_REG	1660 @ 50ppb PCB5-55G
7	ICAL	5	1026F005	PCB_REG	1660 @ 500ppb PCB5-55H
8	ICAL	6	1026F006	PCB_REG	1660 @ 1000ppb PCB5-65K
9	ICAL	7	1026F007	PCB_REG	1660 @ 2000ppb PCB5-55J
10	ICAL	8	1026F008	PCB_REG	1660 @ 5000ppb PCB5-55K
11	ICAL	9	1026F009	PCB_REG	1221/1254 @ 50/25ppb PCB5-63G
12	ICAL	10	1026F010	PCB_REG	1221/1254 @ 100/50ppb PCB5-63H
13	ICAL	11	1026F011	PCB_REG	1221/1254 @ 1000/500ppb PCB5-63I
14	ICAL	12	1026F012	PCB_REG	1221/1254 @ 2000/1000ppb PCB5-63J
15	ICAL	13	1026F013	PCB_REG	1221/1254 @ 4000/2000ppb PCB5-63K
16	ICAL	14	1026F014	PCB_REG	1221/1254 @ 10000/5000ppb PCB5-63L
17	ICAL	15	1026F015	PCB_REG	1232/1262 @ 25ppb PCB5-63M
18	ICAL	16	1026F016	PCB_REG	1232/1262 @ 50ppb PCB5-63N
19	ICAL	17	1026F017	PCB_REG	1232/1262 @ 500ppb PCB5-63O
20	ICAL	18	1026F018	PCB_REG	1232/1262 @ 1000ppb PCB5-63P
21	ICAL	19	1026F019	PCB_REG	1232/1262 @ 2000ppb PCB5-63Q
22	ICAL	20	1026F020	PCB_REG	1232/1262 @ 5000ppb PCB5-63R
23	ICAL	21	1026F021	PCB_REG	1242/1268 @ 25ppb PCB5-63S
24	ICAL	22	1026F022	PCB_REG	1242/1268 @ 50ppb PCB5-63T
25	ICAL	23	1026F023	PCB_REG	1242/1268 @ 500ppb PCB5-63U
26	ICAL	24	1026F024	PCB_REG	1242/1268 @ 1000ppb PCB5-64A
27	ICAL	25	1026F025	PCB_REG	1242/1268 @ 2000ppb PCB5-64B
28	ICAL	26	1026F026	PCB_REG	1242/1268 @ 5000ppb PCB5-64C
29	ICAL	27	1026F027	PCB_REG	1248 @ 25ppb PCB5-64D
30	ICAL	28	1026F028	PCB_REG	1248 @ 50ppb PCB5-64E
31	ICAL	29	1026F029	PCB_REG	1248 @ 500ppb PCB5-64F
32	ICAL	30	1026F030	PCB_REG	1248 @ 1000ppb PCB5-64G
33	ICAL	31	1026F031	PCB_REG	1248 @ 2000ppb PCB5-64H
34	ICAL	32	1026F032	PCB_REG	1248 @ 5000ppb PCB5-64I
35	ICV	33	1026F033	PCB_REG	1016 @ 1000ppb PCB5-56E
36	ICV	34	1026F034	PCB_REG	1221 @ 1000ppb PCB5-62R
37	ICV	35	1026F035	PCB_REG	1232 @ 1000ppb PCB5-62S
38	ICV	36	1026F036	PCB_REG	1242 @ 1000ppb PCB5-63A
39	ICV	37	1026F037	PCB_REG	1248 @ 1000ppb PCB5-63B
40	ICV	38	1026F038	PCB_REG	1254 @ 1000ppb PCB5-63C
41	ICV	39	1026F039	PCB_REG	1260 @ 1000ppb PCB5-63D
42	ICV	40	1026F040	PCB_REG	1262 @ 1000ppb PCB5-63E
43	ICV	41	1026F041	PCB_REG	1268 @ 1000ppb PCB5-63F

Data File: \\cash1\acqdata\GC09\data\102610.B\1026F002.D
Report Date: 27-Oct-2010 14:48

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F002.D
Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R002.D
Inj Date : 26-OCT-2010 23:38
Sample Info: IB
Misc Info :
Cal Date : 27-OCT-2010 14:41
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610 f.m
Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
----------	------	------	--------	--------	--------	--------	--------------	-------

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*Off p/27/10
ACW/27/10*

Data File: \\vaash1\acq\data\0009\data\102610.B\1026F002.D
Date: 28-OCT-2010 23:38

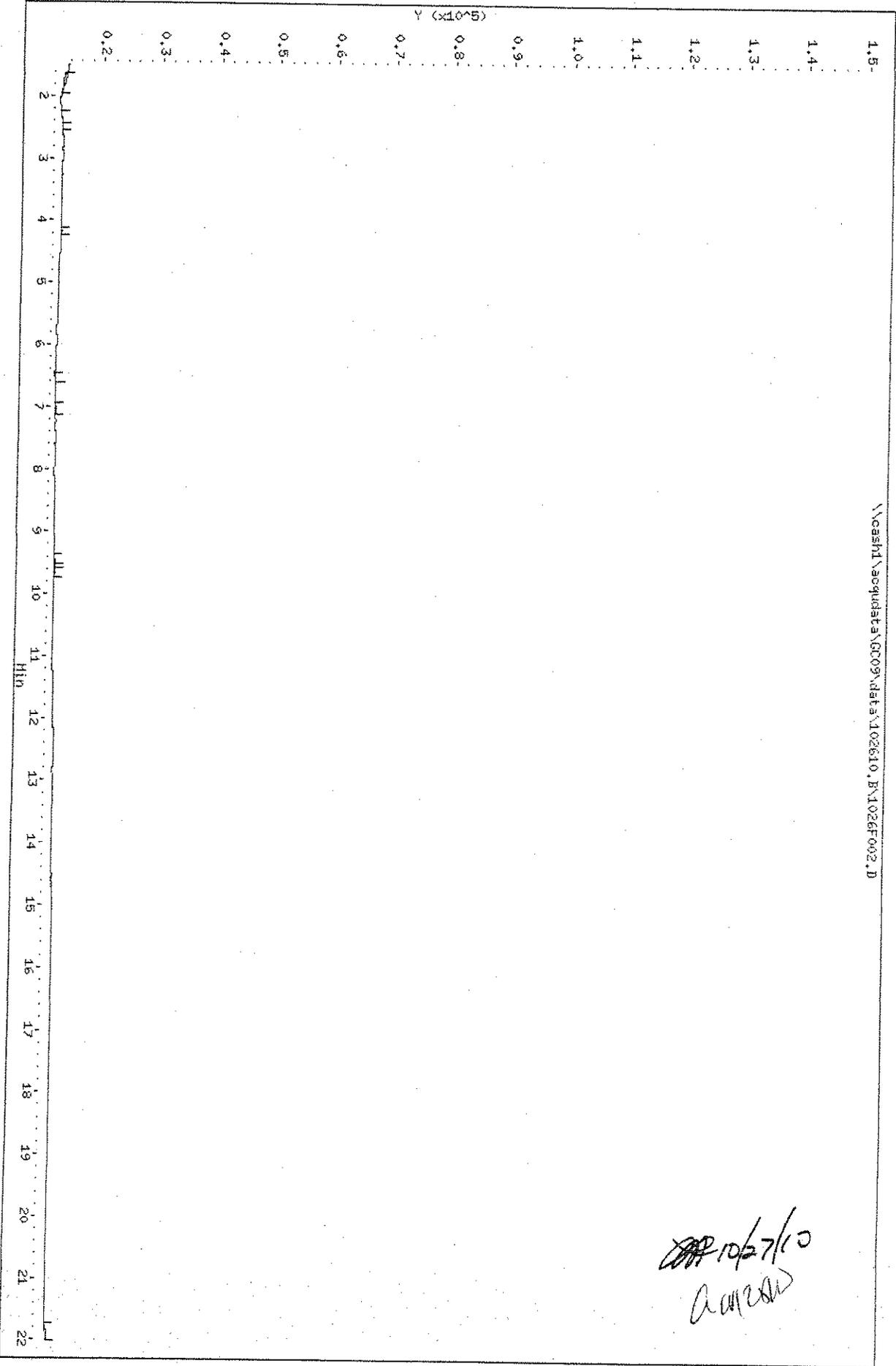
Client ID:
Sample Info: 1B

Column Phase: DB-35HS

Instrument: 0009.1

Operator: LHarris
Column diameter: 0.53

\\vaash1\acq\data\0009\data\102610.B\1026F002.D

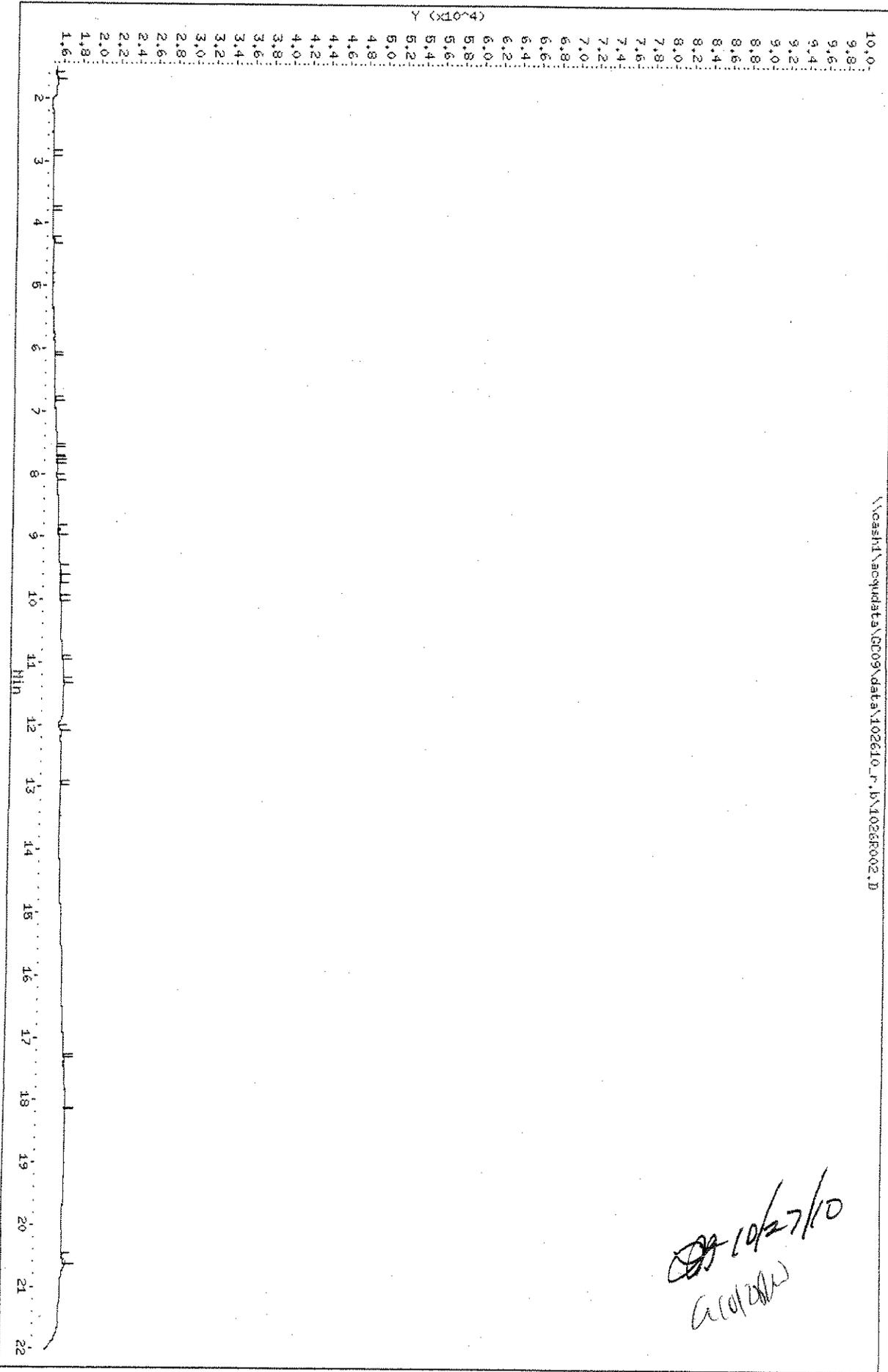


Handwritten signature and date:
10/27/10
LHarris

Data File: \\casha1\acq\data\GC09\data\102610_r.b\1026R002.D
 Date: 26-OCT-2010 23:38
 Client ID:
 Sample Info: 1B
 Column Phase: DB-XLB

Instrument: GC09.i
 Operator: LHarris
 Column diameter: 0.53

\\casha1\acq\data\GC09\data\102610_r.b\1026R002.D



Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F003.D
 Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R003.D
 Inj Date : 27-OCT-2010 00:05
 Sample Info: 1660 @ 25ppb | PCB5-55F
 Misc Info :
 Cal Date : 27-OCT-2010 11:11
 Operator : LHarris
 Inst ID : GC09.i
 Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610 f.m
 Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
 Sub List #1 : AR1660.SUB
 Sub List #2 : AR1660.SUB
 Col #1 Phase : DB-35MS
 Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.770	4.340	17498	16171	3.04	2.85		100.00 (M)
Aroclor 1016	5.400	5.397	1751	4922	26.5	29.1	80.00- 120.00	100.00 (M)
	5.453	6.590	3191	3979	27.6	14.0	133.75- 200.63	182.24 (M)
	5.963	6.767	7235	3620	30.2	27.6	261.64- 392.46	413.19 (M)
	6.197	6.863	3220	4272	19.0	28.1	138.17- 207.26	183.92 (M)
	6.740	7.133	4934	3726	29.6	26.8	185.32- 277.98	281.78 (M)
	Average of Peak Amounts =				26.6	25.1		
Aroclor 1260	9.210	9.403	11950	7451	34.6	27.9	80.00- 120.00	100.00 (M)
	9.960	9.920	12036	9122	30.7	30.2	90.96- 136.44	100.72 (M)
	10.033	10.507	6941	9520	19.3	25.9	53.30- 79.96	58.08 (M)
	10.640	11.150	5945	6008	26.0	24.8	56.86- 85.29	49.75 (M)
	11.087	11.640	13255	13336	27.8	29.7	119.58- 179.37	110.91 (M)
	Average of Peak Amounts =				27.7	27.7		
Decachlorobiphenyl	15.400	16.627	16135	16541	3.10	2.98		100.00

QC Flag Legend

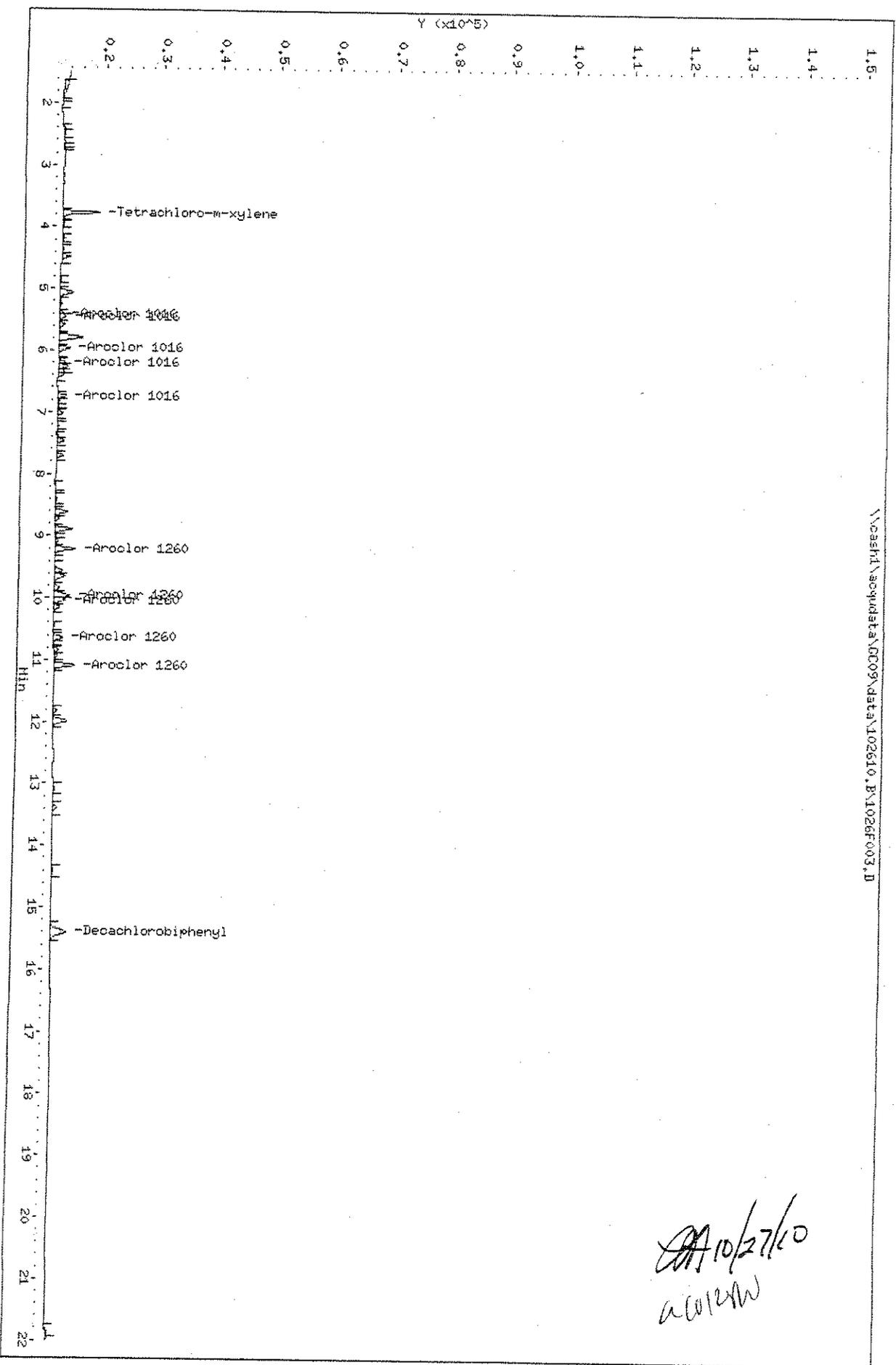
M - Compound response manually integrated.

Handwritten signature and date:
 10/27/10
 LHarris

Data File: \\nasht1\acq\data\GC09\data\102610.B\1026f003.D
Date: 27-OCT-2010 00:05
Client ID:
Sample Info: 1660 & 25ppb 1 PCBs-55F
Column phase: DB-35MS

Instrument: GC09.1
Operator: LHarris
Column diameter: 0.53

\\nasht1\acq\data\GC09\data\102610.B\1026f003.D



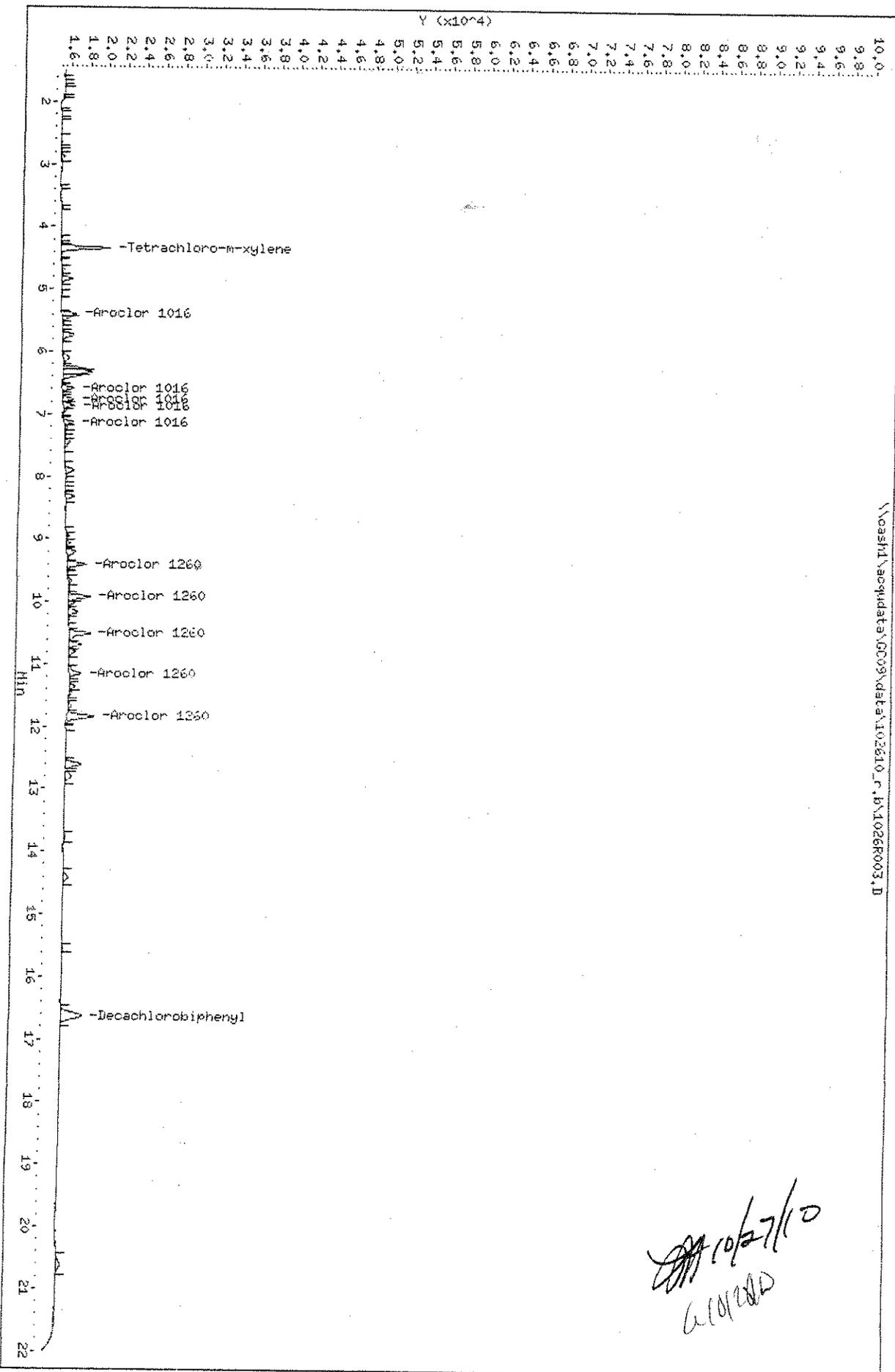
Handwritten signature and date:
10/27/10
acw/mw

Data File: \\noash1\acq\data\GC09\data\102610_r.b\1026R003.D
Date: 27-OCT-2010 09:05

Client ID:
Sample Info: 1660 @ 25ppb | PCBs-SGF
Column phase: DB-MLB

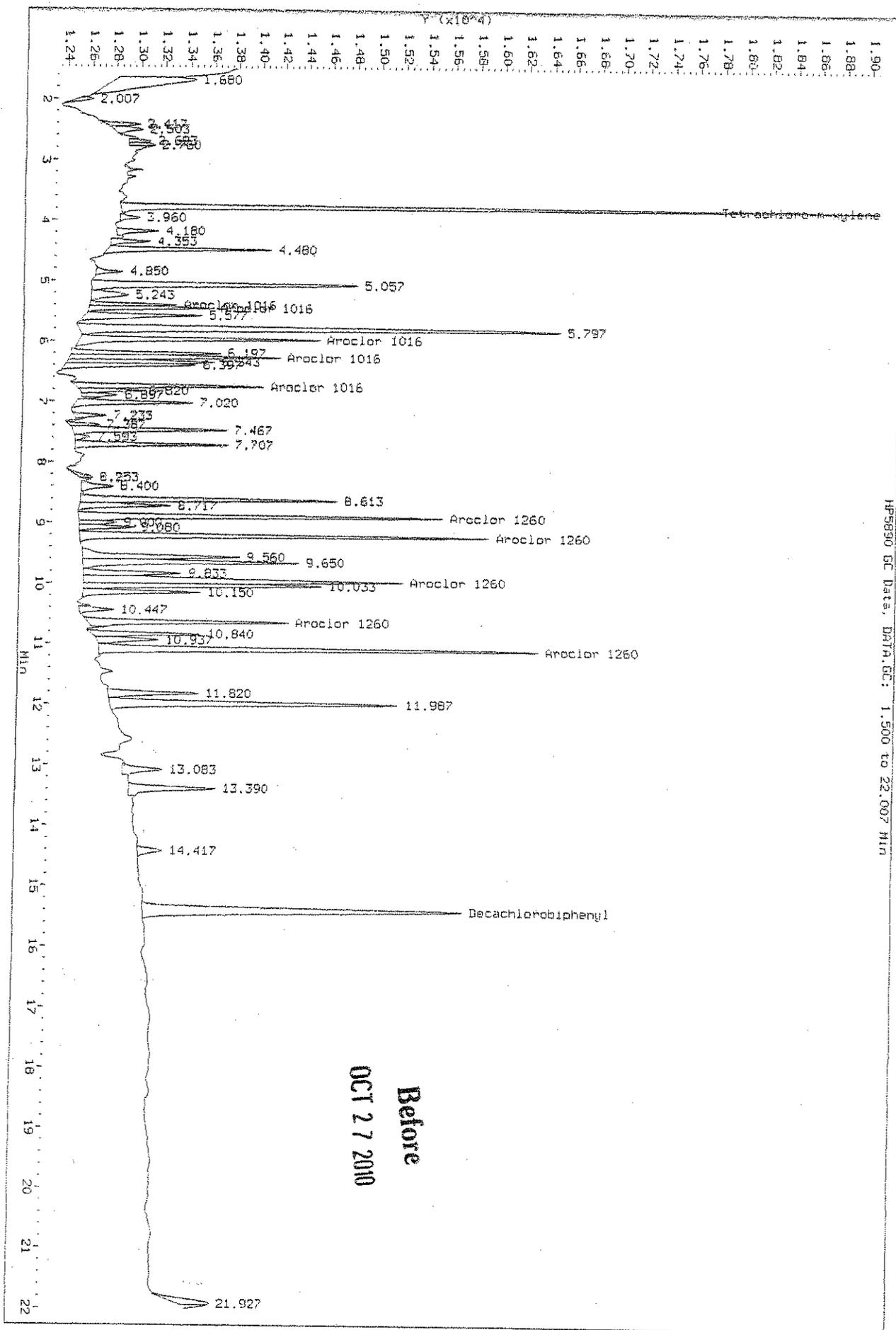
Instrument: GC09.1
Operator: LHarris
Column diameter: 0.53

\\noash1\acq\data\GC09\data\102610_r.b\1026R003.D



Handwritten signature and date:
10/27/10
LHarris

Data File: \Acsh1\Acqudata\6009\data\102610.B\10261003.D
 Injection Date: 22-OCT-2010 00:05
 Instrument: 6809.1
 Client Sample ID:

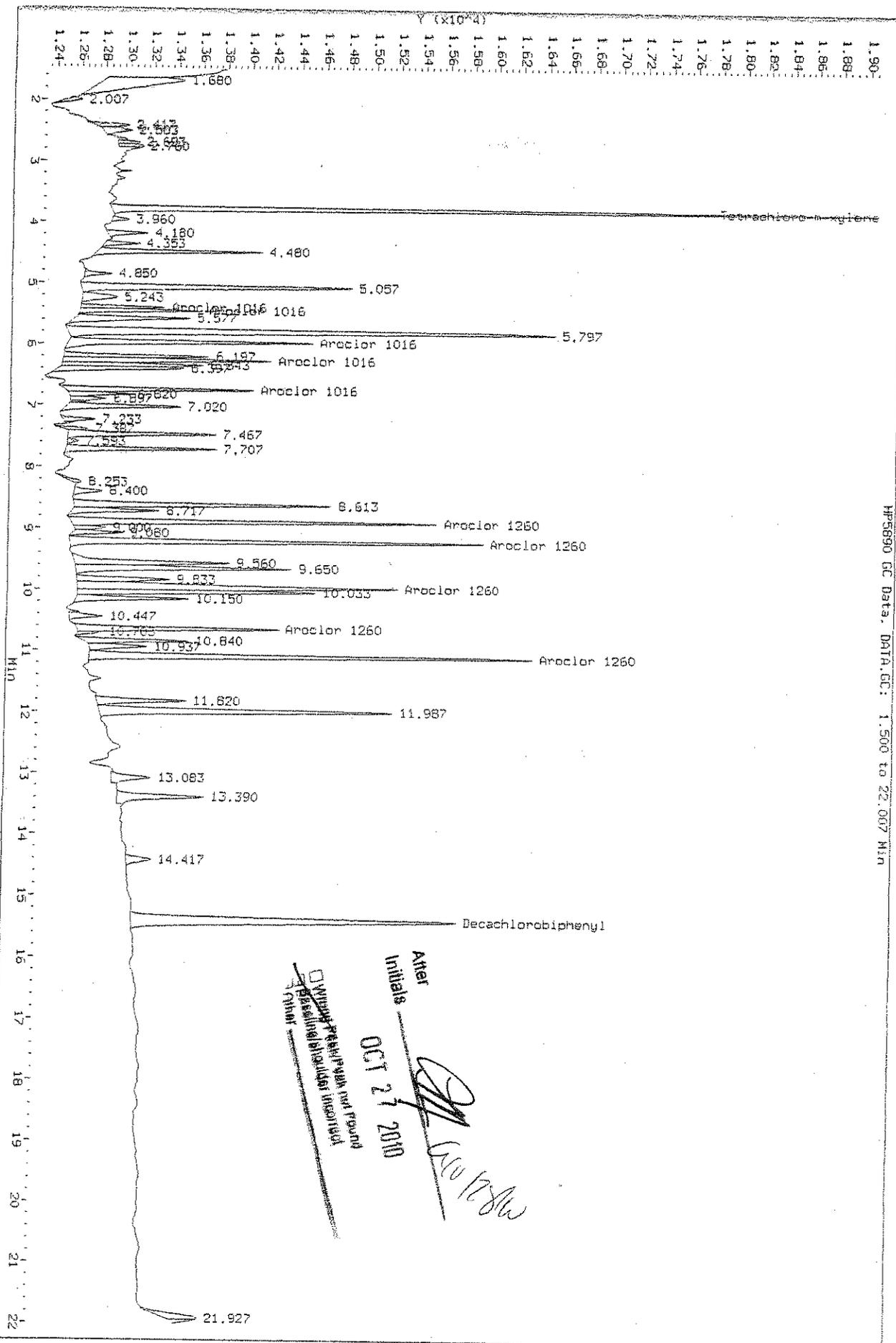


Before
 OCT 27 2010

HP5890 GC Data, DATA.GC: 1.500 to 22.007 MIN

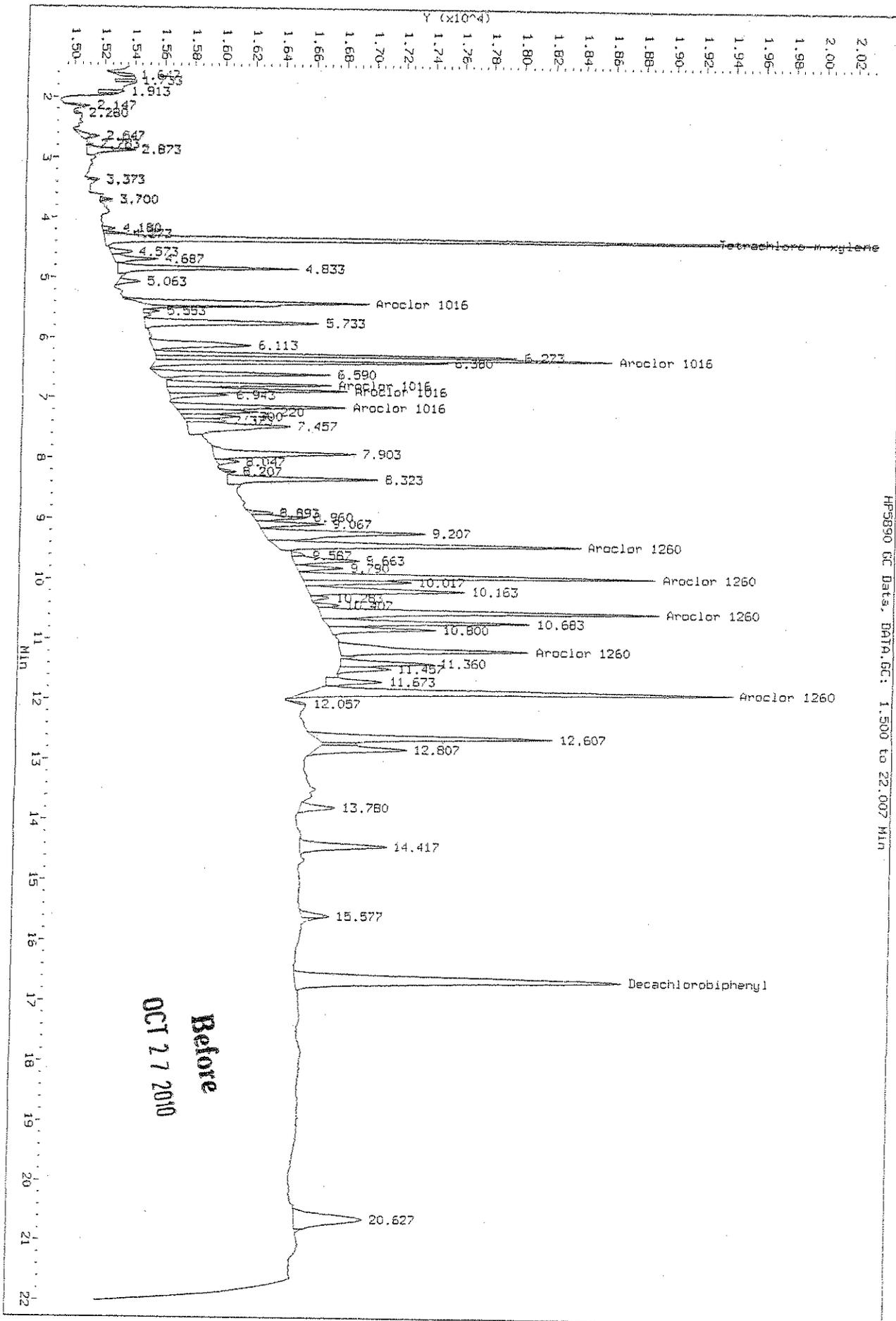
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 Injection Date: 27-OCT-2010 00:05
 Instrument: GC09.1
 Client Sample ID:

HP5890 GC Data, DATA.GC: 1.500 to 22.007 Min



Alter Initials
 OCT 27 2010
 Missing Peak Peak not found
 Residuals/shoulder inspected
 Initials

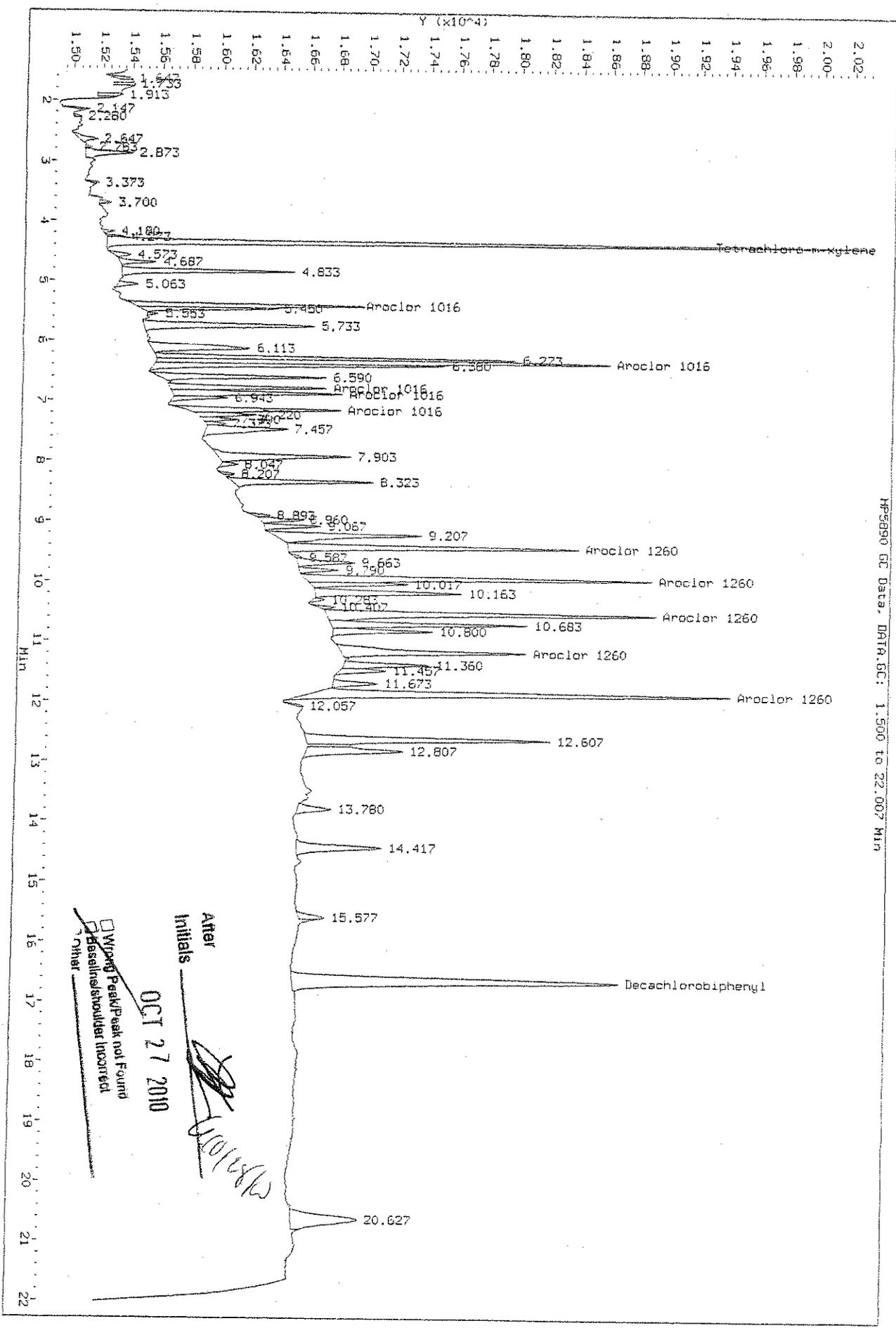
Data File: \acesnl\accudata\6C09\data\102610_r_b\1026P003.D
 Injection Date: 27-OCT-2010 00:05
 Instrument: GC09.1
 Client Sample ID:



Before
 OCT 27 2010

HP5890 GC Data, DATA.GC, 1.500 to 22.007 MIN

Data File: \\ncash1\seq\data\6009\data\102610_r_b\10266003.D
 Injection Date: 27-OCT-2010 00:05
 Instrument: GC09.1
 Client Sample ID:



HP5890 GC Data, DATA.GC: 1.500 to 22.007 Min

After Initials *[Signature]*
 OCT 27 2010
 Wagon Peak/Peak not Found
 Baseline/shoulder incorrect
 Other

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F004.D
 Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R004.D
 Inj Date : 27-OCT-2010 00:31
 Sample Info: 1660 @ 50ppb | PCB5-55G
 Misc Info :
 Cal Date : 27-OCT-2010 12:35
 Operator : LHarris
 Inst ID : GC09.i
 Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610_f.m
 Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
 Sub List #1 : AR1660.SUB
 Sub List #2 : AR1660.SUB
 Col #1 Phase : DB-35MS
 Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.770	4.340	34459	31812	5.99	5.61		100.00
Aroclor 1016	5.400	5.397	3666	10435	55.5	61.8	80.00- 120.00	100.00
	5.453	6.587	6489	8484	56.0	35.9	133.75- 200.63	177.02
	5.963	6.763	14633	7430	61.2	56.7	261.64- 392.46	399.17
	6.197	6.860	6860	8800	44.4	57.9	138.17- 207.26	187.14
	6.740	7.133	9803	8063	58.8	58.1	185.32- 277.98	267.42
	Average of Peak Amounts =				55.2	54.1		
Aroclor 1260	9.210	9.403	23194	15584	65.4	58.3	80.00- 120.00	100.00
	9.960	9.920	23386	17998	59.6	59.5	90.96- 136.44	100.83
	10.033	10.507	13759	20294	42.0	55.1	53.30- 79.96	55.32
	10.640	11.147	13183	12322	57.7	50.8	56.86- 85.29	56.84
	11.083	11.837	26694	25180	56.0	56.0	119.58- 179.37	115.09
	Average of Peak Amounts =				56.1	55.9		
Decachlorobiphenyl	15.400	16.627	31284	32802	6.01	5.90		100.00

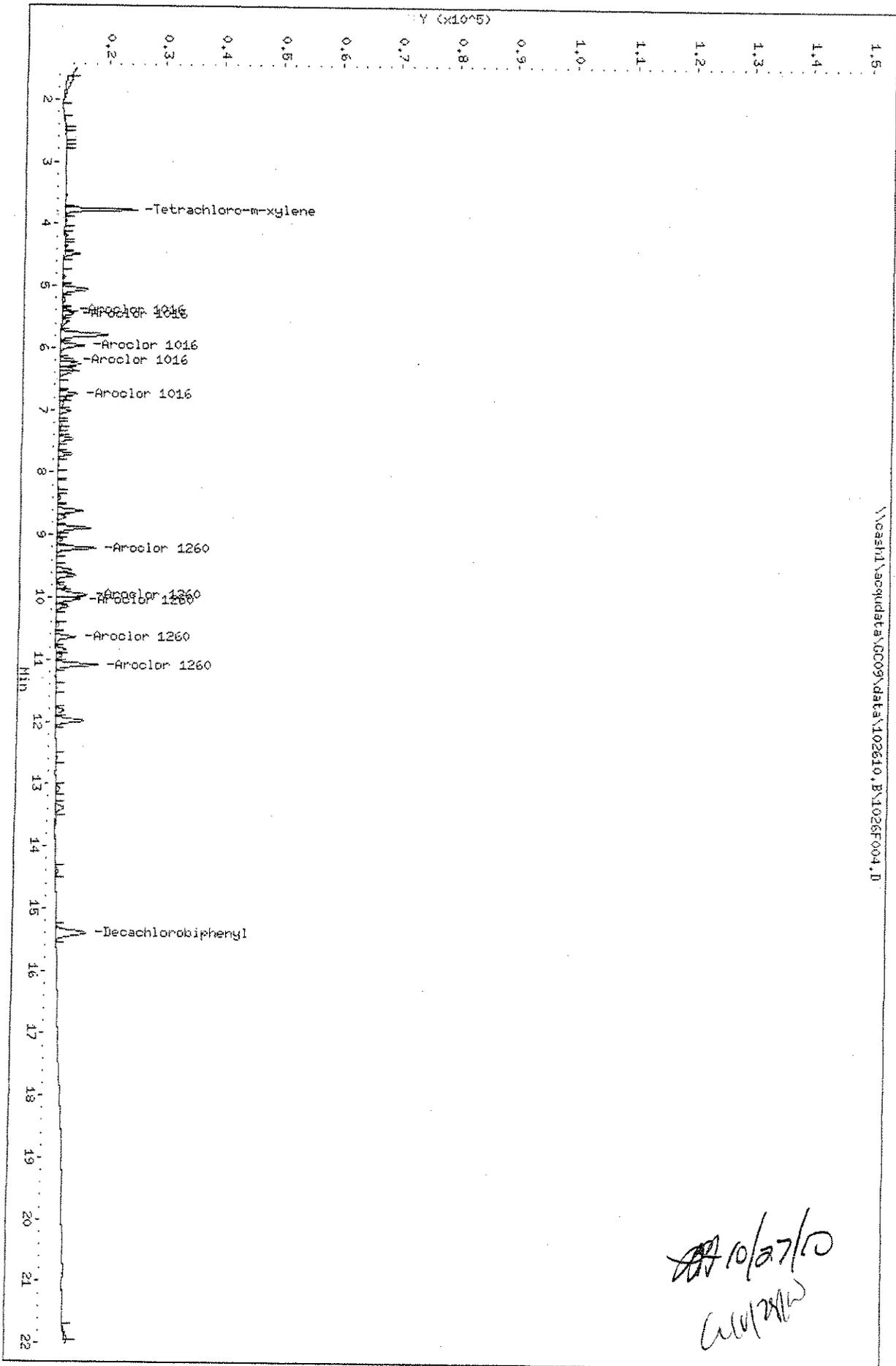
Handwritten signature and date: 10/27/10

Data File: \\nash1\ncsqdata\GC09\data\102610.B\1026F004.D
Date: 27-OCT-2010 00:31
Client ID:
Sample Info: 1660 @ 50ppb | PCB5-550
Column phase: DB-35MS

Instrument: GC09.1
Operator: LHarris
Column diameter: 0.53

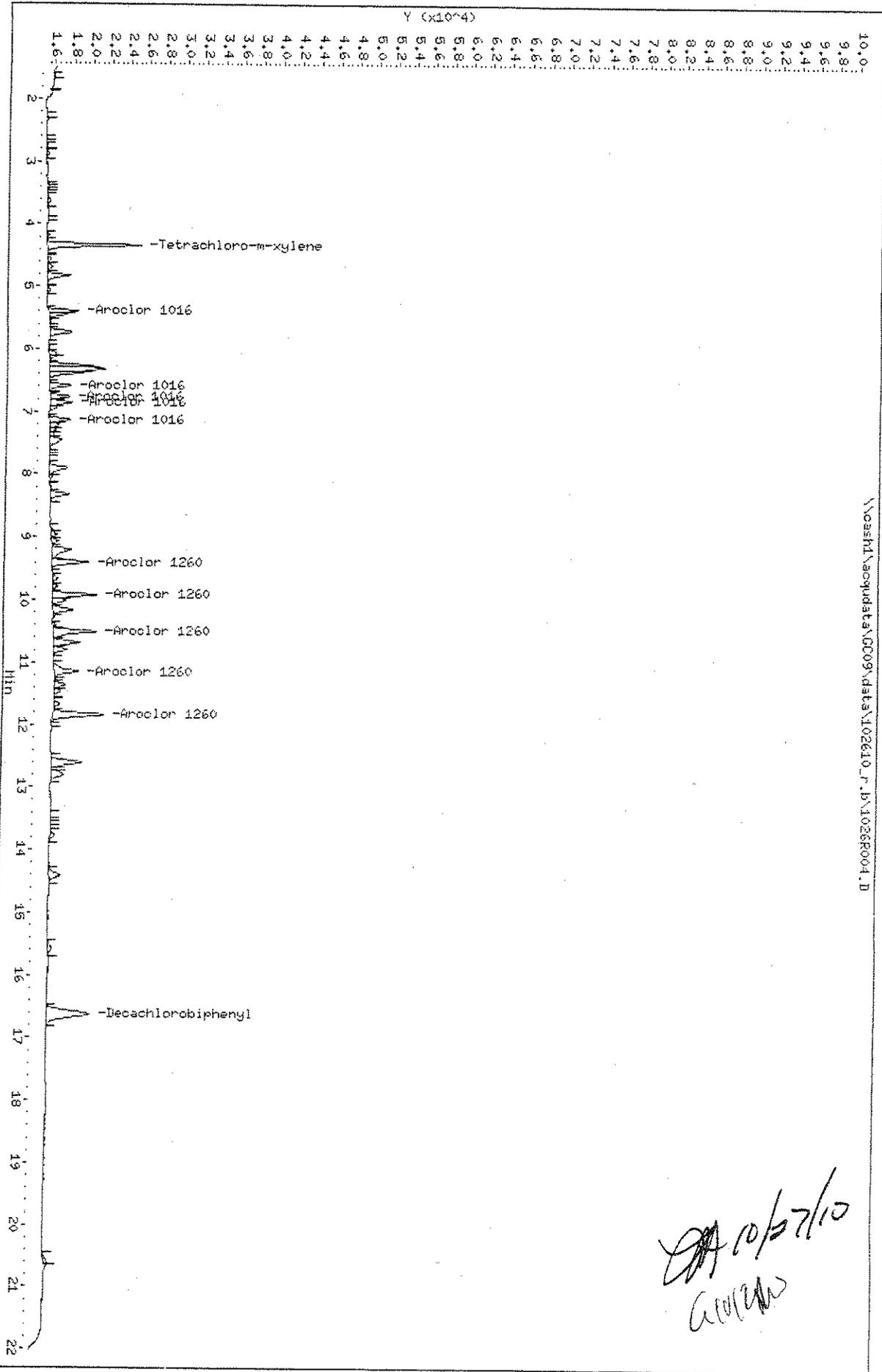
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Handwritten signature and date: 10/27/10

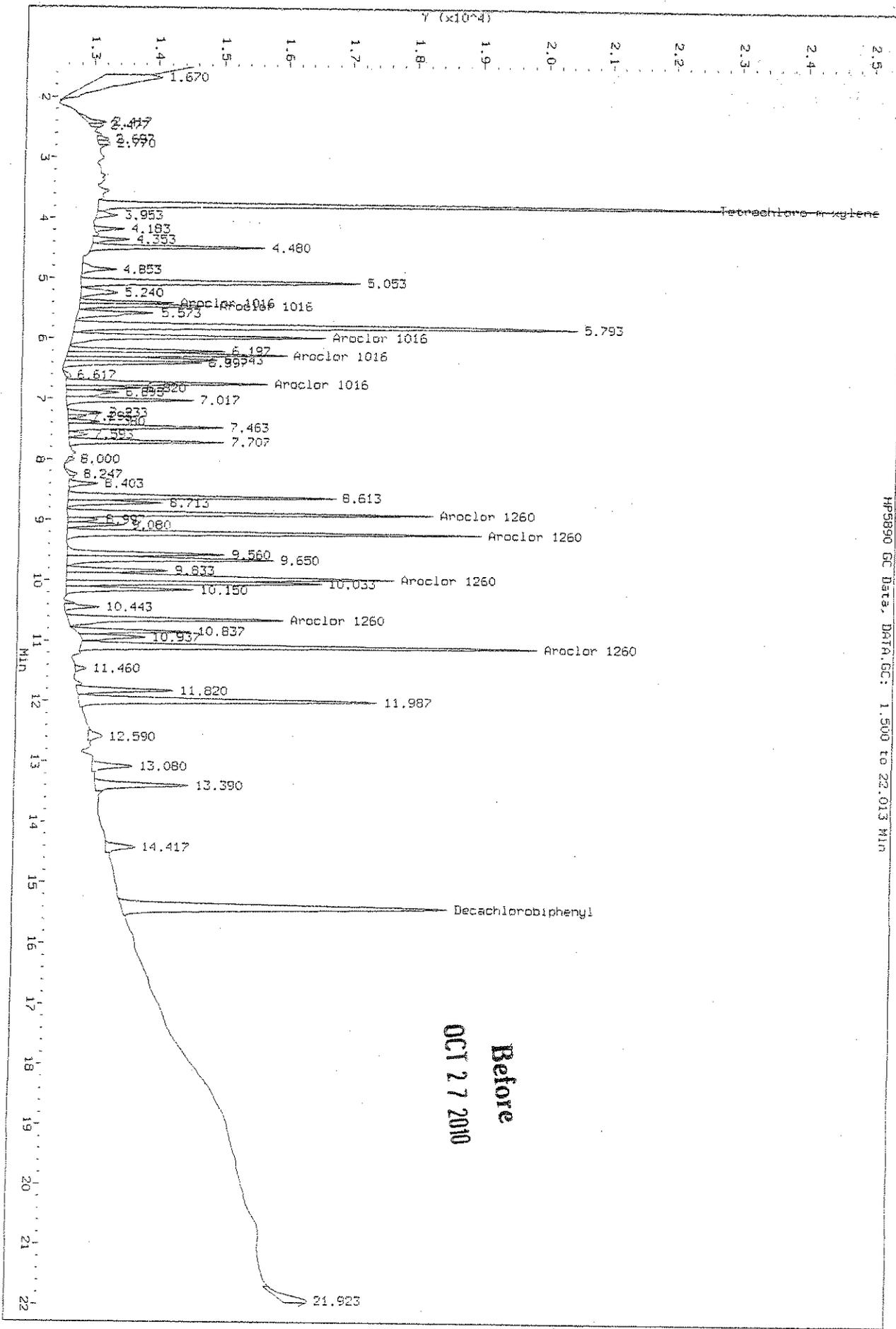


Data File: \\oashd\accudata\GC09\data\102610_r.b\1026R004.D
 Date: 27-OCT-2010 09:31
 Client ID:
 Sample Info: 1660 @ 50ppb | PCBs-565
 Column phase: IB-XLB

Instrument: GC09.i
 Operator: LHarris
 Column diameter: 0.53



Data File: \\vesh1\acq\data\GC09\data\102610.B\1026F004.D
 Injection Date: 27-OCT-2010 00:31
 Instrument: GC09.1
 Eluent Sample ID:

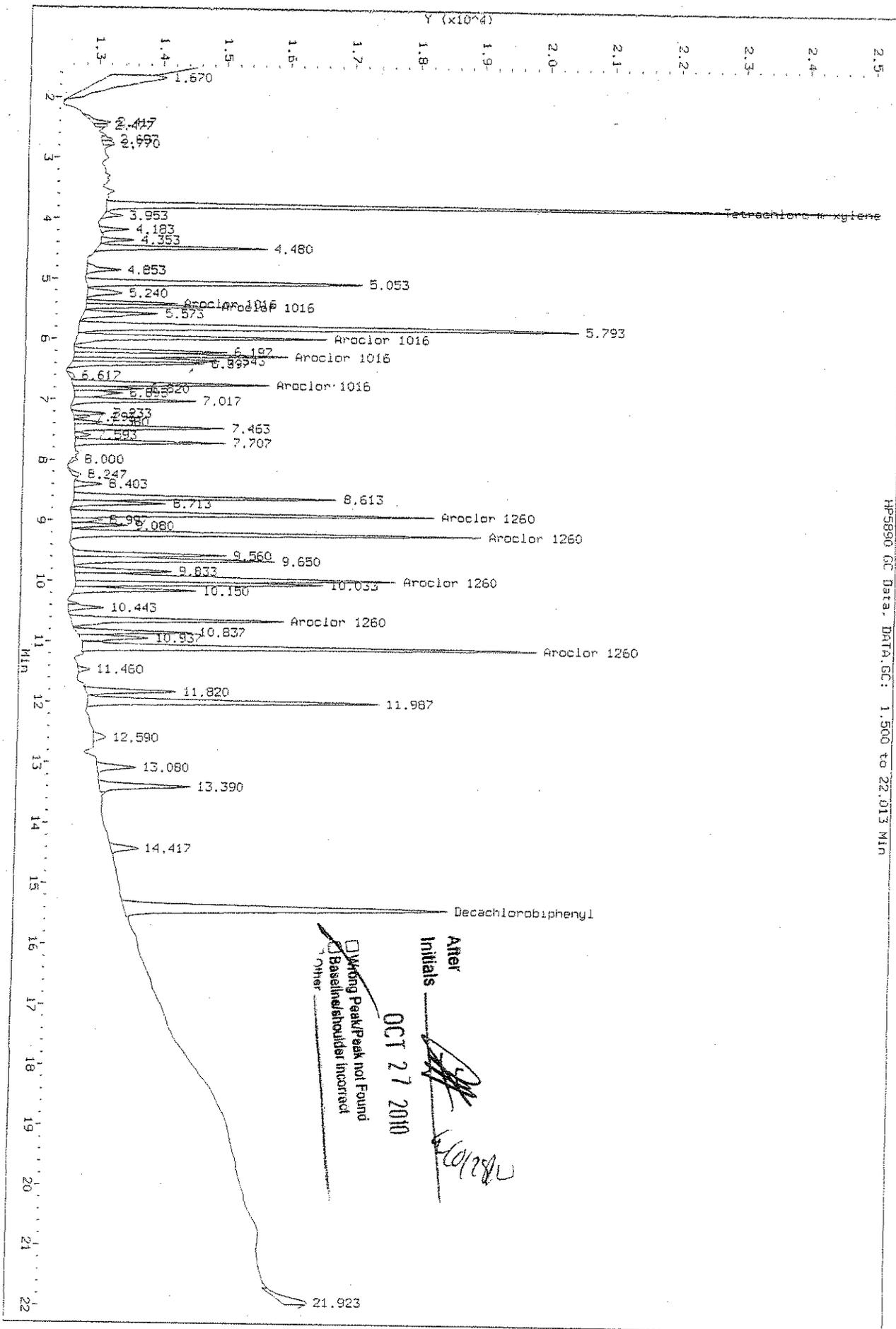


HP5890 GC Data, DATA.GC: 1.500 to 22.013 MIN

Before
 OCT 27 2010

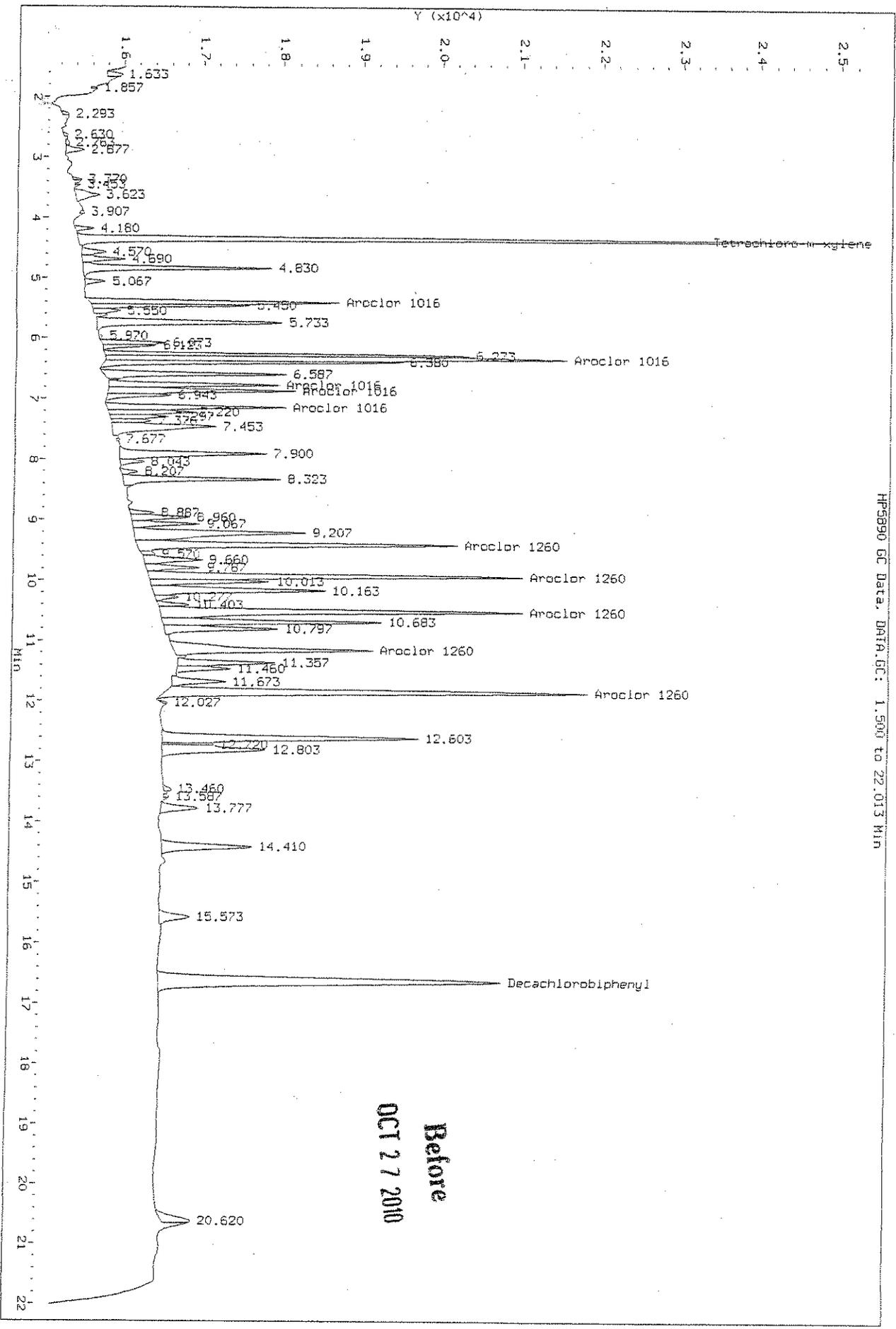
Data File: \Vocash\Acq\data\GC09\data\102610_BN10261004.D
 Injection Date: 27-OCT-2010 09:31
 Instrument: GC09.1
 Client Sample ID:

HP5890 GC Data, DATA.GC: 1.500 to 22.013 MIN



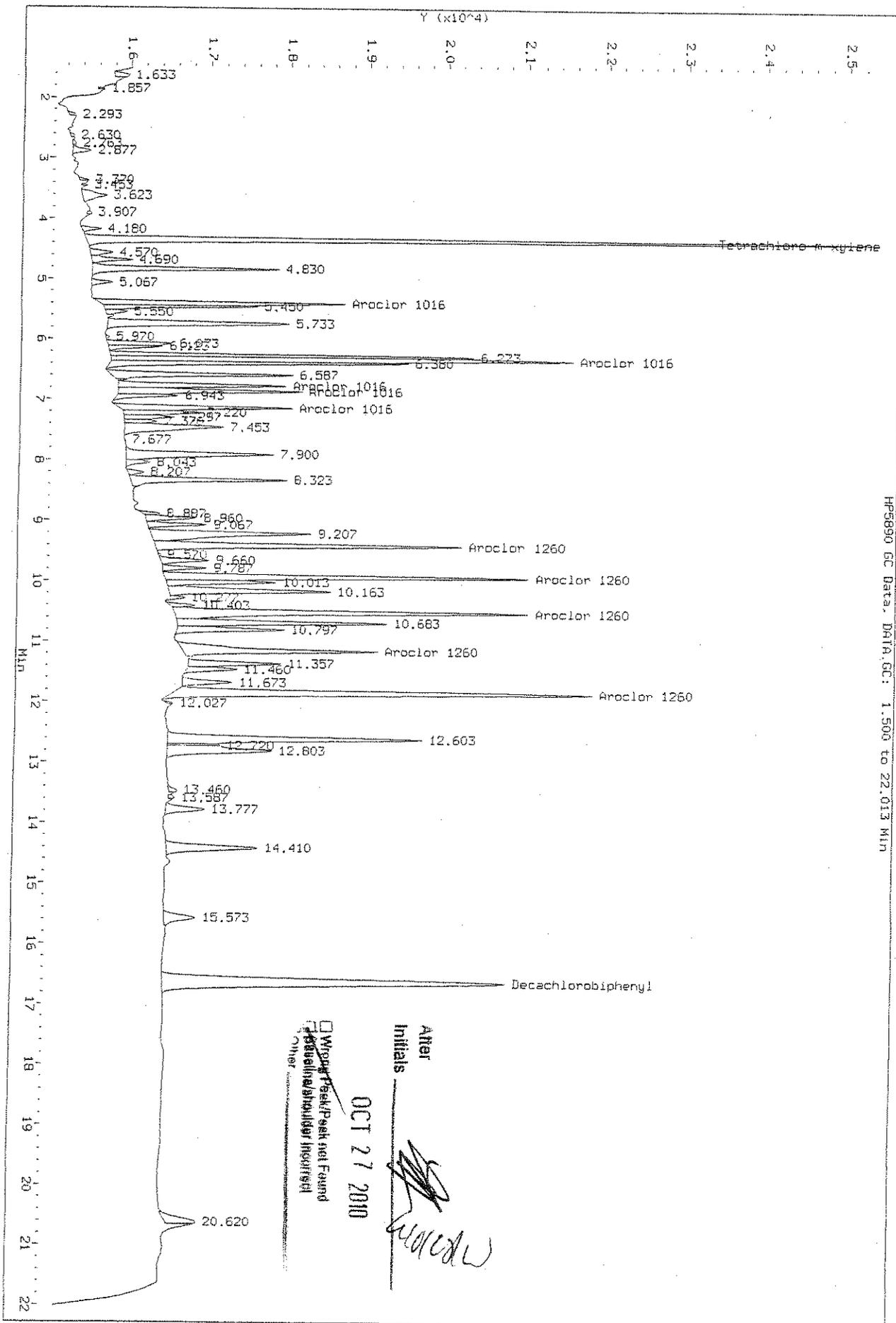
After Initials [Signature]
 Wrong Peak/Peak not Found
 Baseline/shoulder incorrect
 Other
 OCT 27 2010

Data File: \\cscsh1\acquadata\GC09\data\102610.LP\10268004.D
 Injection Date: 27-OCT-2010 00:31
 Instrument: GC09.1
 Client Sample ID:



HP5890 GC Data, DATA.GC: 1.500 to 22.013 Min

Data File: \\csshl\acq\data\GC09\data\102610_r.h\102689004.D
 Injection Date: 27-OCT-2010 00:31
 Instrument: GC09.1
 Client Sample ID:



HP5890 GC Data, DATA.GC: 1.500 to 22.013 MIN

Alter Initials _____
 OCT 27 2010
 Wrong Peak/Peak not Found
 Retention/Shoulder Incorrect
 Other _____

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F005.D
 Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R005.D
 Inj Date : 27-OCT-2010 00:58
 Sample Info: 1660 @ 500ppb | PCB5-55H
 Misc Info :
 Cal Date : 27-OCT-2010 12:35
 Operator : LHarris
 Inst ID : GC09.i
 Dil Factor : 1.000000

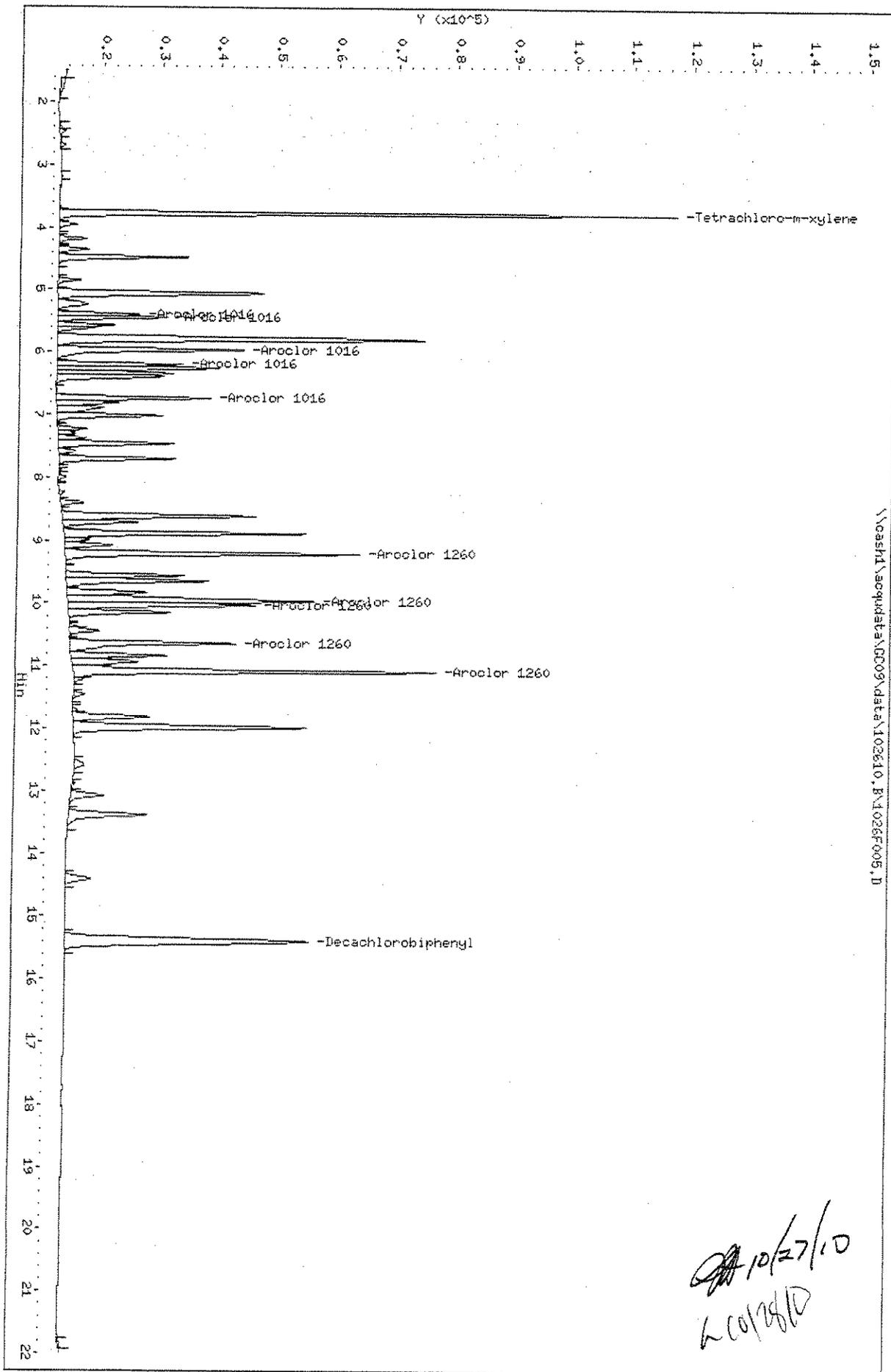
Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610_f.m
 Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026T0_r.m
 Sub List #1 : AR1660.SUB
 Sub List #2 : AR1660.SUB
 Col #1 Phase : DB-35MS
 Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.770	4.340	299282	302013	52.0	53.3		100.00
Aroclor 1016	5.400	5.400	36962	92633	560	548	80.00- 120.00	100.00
	5.453	6.590	64655	94046	558	398	133.75- 200.63	174.92
	5.967	6.767	124935	72835	522	556	261.64- 392.46	338.00
	6.200	6.860	62952	83193	445	548	138.17- 207.26	170.31
	6.740	7.133	89891	76266	540	549	185.32- 277.98	243.20
	Average of Peak Amounts =				525	520		
Aroclor 1260	9.210	9.403	186080	145634	507	545	80.00- 120.00	100.00
	9.960	9.920	203269	159891	509	528	90.96- 136.44	109.24
	10.033	10.507	120486	200333	401	544	53.30- 79.96	64.75
	10.640	11.150	119909	133216	524	549	56.86- 85.29	64.44
	11.083	11.840	251440	232475	527	517	119.58- 179.37	135.12
	Average of Peak Amounts =				494	537		
Decachlorobiphenyl	15.400	16.623	269047	297413	51.7	53.5		100.00

Handwritten signature and date:
 10/27/10
 [Signature]

Data File: \\casha1\acq\data\GC09\data\102610.B\1026F005.D
Date: 27-OCT-2010 00:58
Client ID:
Sample Info: 1660 @ 500ppb | PCBs-SEM
Column Phase: DB-35MS

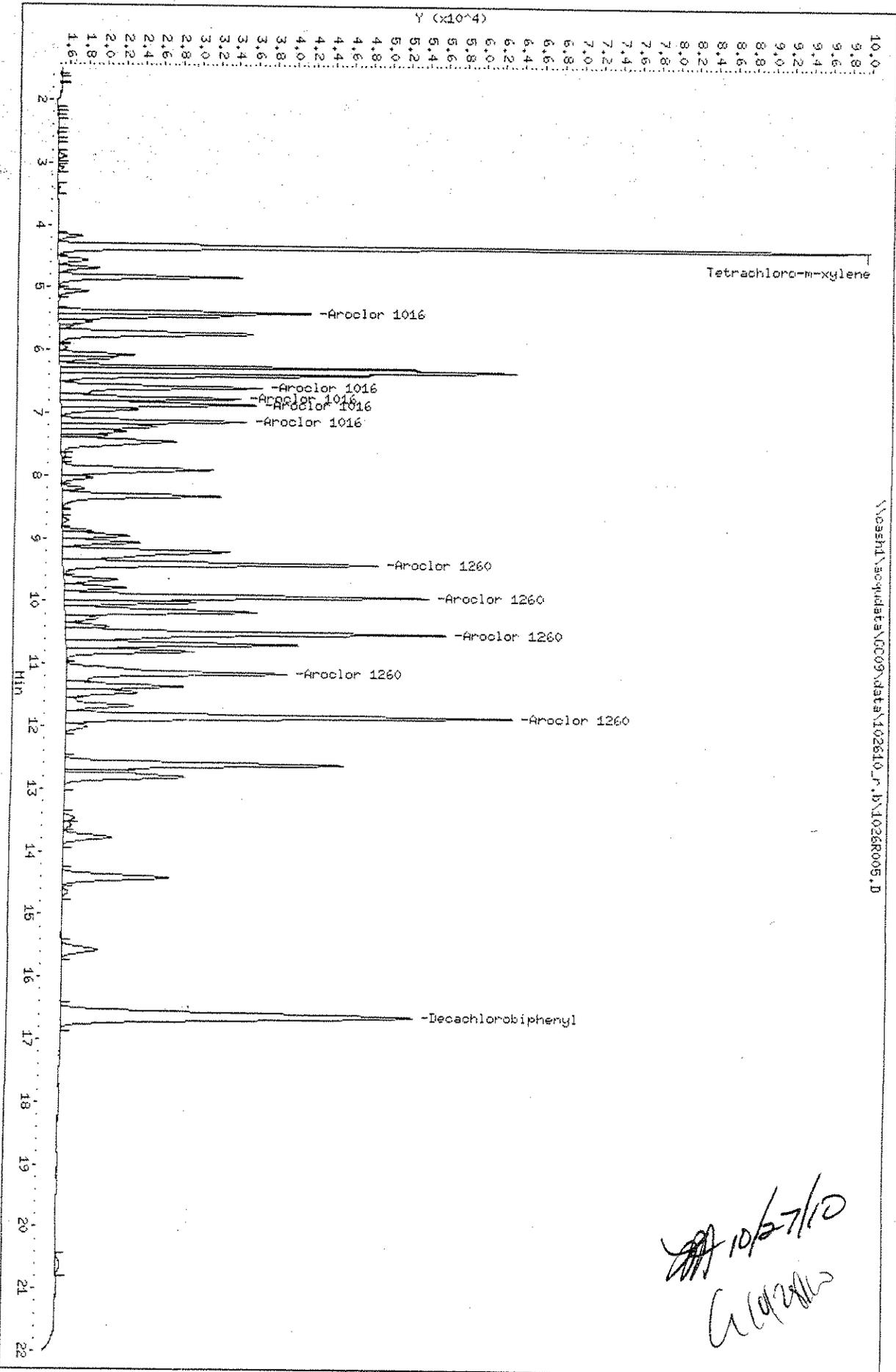
Instrument: GC09.1
Operator: LHarris
Column diameter: 0.53



Data File: \\nasht1\acq\data\GC09\data\102610_r.p\1026R005.D
Date: 27-OCT-2010 00:58
Client ID:
Sample Info: 1660 @ Ecoplyb | PCBs-55H
Column phase: DB-XLB

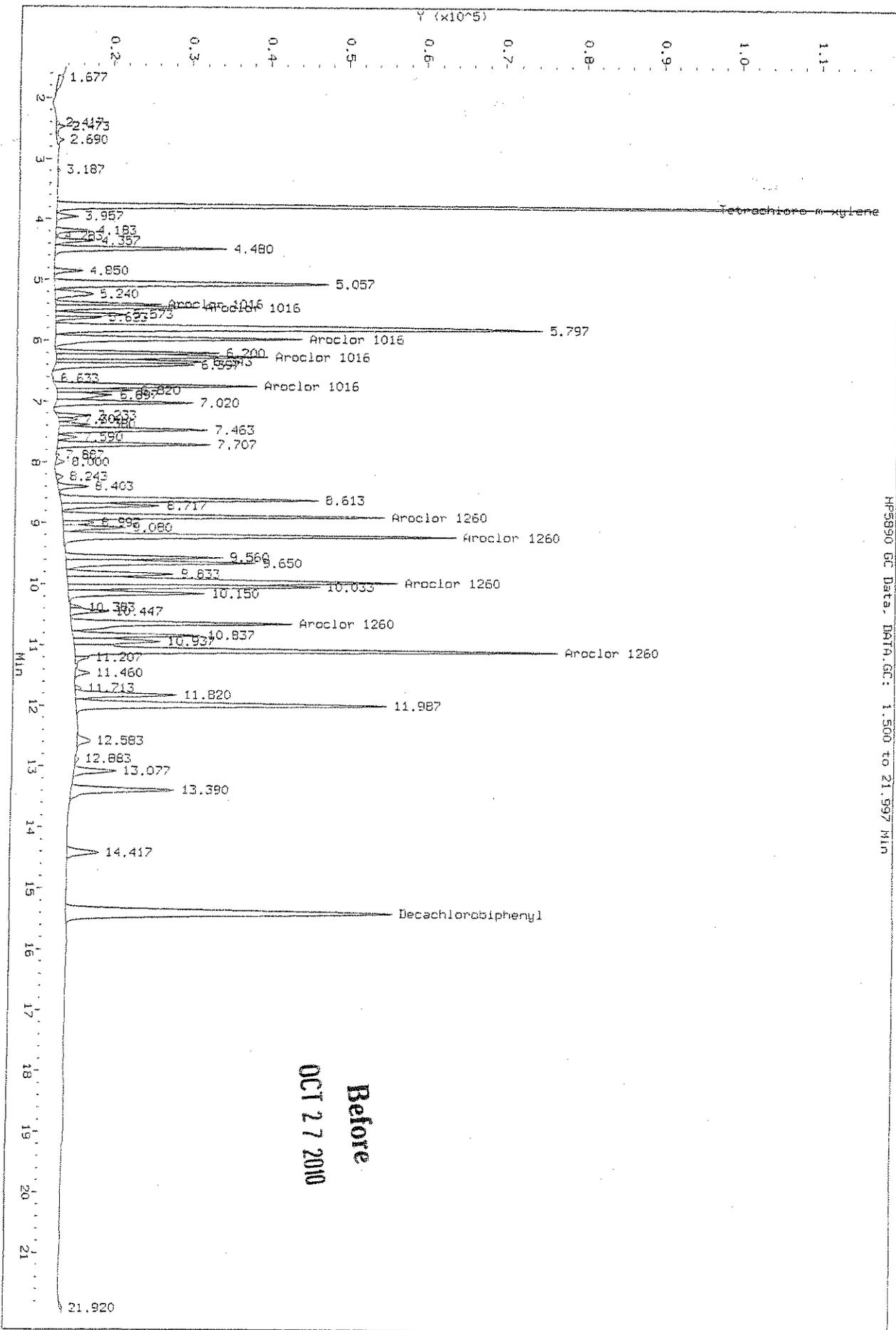
Instrument: GC09.1
Operator: LHarris
Column diameter: 0.53

\\nasht1\acq\data\GC09\data\102610_r.p\1026R005.D



Handwritten signature and date: 10/27/10

Data File: \aceshi\acq\data\GC09\data\102610_BN10261005.D
Injection Date: 27-OCT-2010 00:58
Instrument: GC09.1
Client Sample ID:

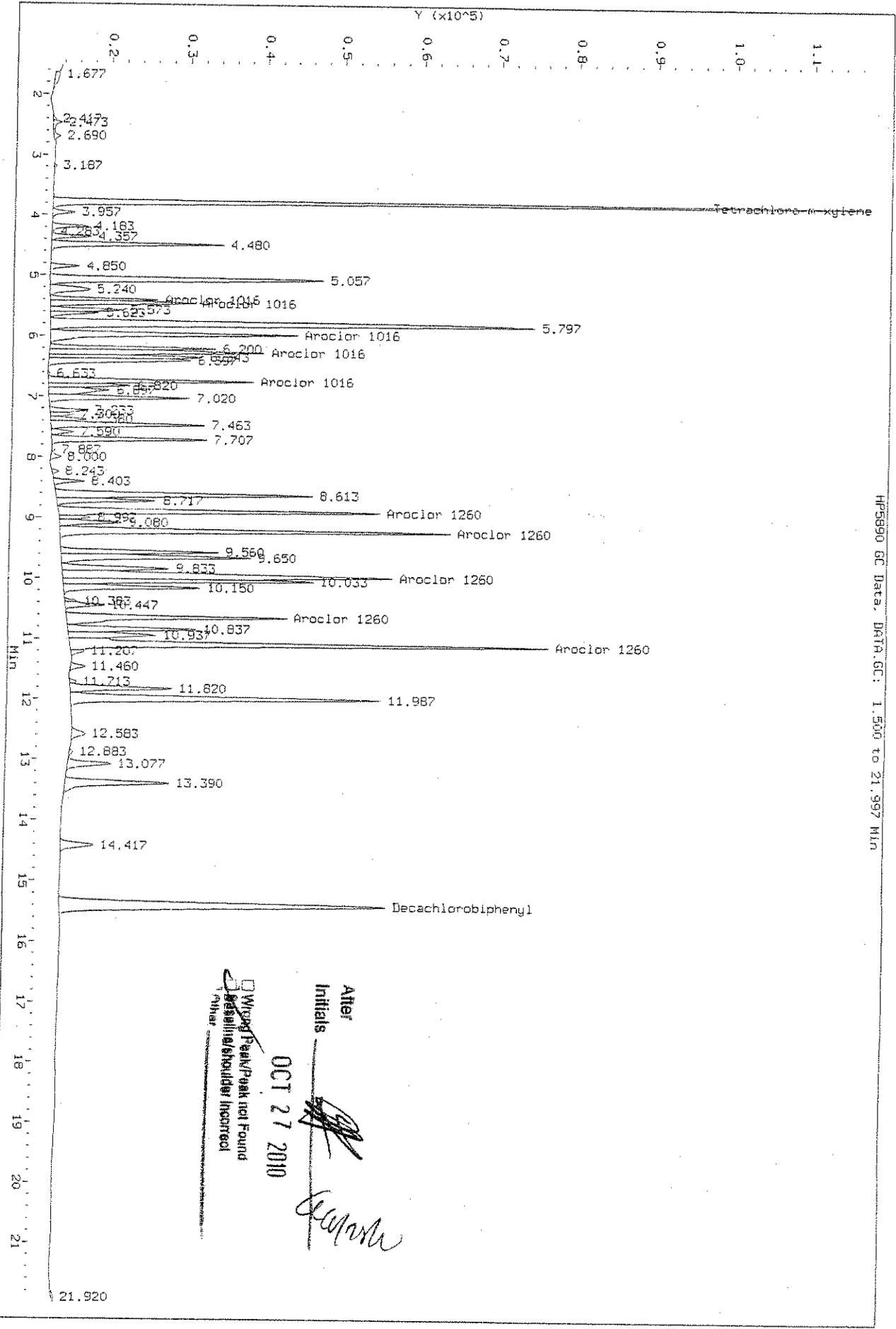


HF5890 GC Data, DATA.GC: 1.500 to 21.997 Min

Before
OCT 27 2010

Data File: \\ncsh1\accudata\GC09\data\102610_B\10261005.D
 Injection Date: 27-OCT-2010 00:58
 Instrument: GC09.1
 Client Sample ID:

HP5890 GC Data, DATA.GC: 1.500 to 21.997 MIN



Wrong Peak/Peak not Found
 Retention/Abundance Incorrect
 Other: _____
 OCT 27 2010
 Alter Initials: _____
 Signature: _____

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F006.D
 Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R006.D
 Inj Date : 27-OCT-2010 01:25
 Sample Info: 1660 @ 1000ppb | PCB5-65K
 Misc Info :
 Cal Date : 27-OCT-2010 12:35
 Operator : LHarris
 Inst ID : GC09.i
 Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610 f.m
 Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026I0_r.m
 Sub List #1 : AR1660.SUB
 Sub List #2 : AR1660.SUB
 Col #1 Phase : DB-35MS
 Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.770	4.340	538295	581569	93.6	97.3		100.00
Aroclor 1016	5.400	5.397	65769	158071	996	936	80.00- 120.00	100.00
	5.453	6.590	115204	172124	995	821	133.75- 200.63	175.16
	5.963	6.767	227128	130059	949	993	261.64- 392.46	345.34
	6.200	6.860	113741	149537	863	984	138.17- 207.26	172.94
	6.740	7.133	159918	137794	960	992	185.32- 277.98	243.15
	Average of Peak Amounts =				953	945		
Aroclor 1260	9.210	9.403	341403	259506	899	971	80.00- 120.00	100.00
	9.960	9.920	362282	285490	898	944	90.96- 136.44	106.12
	10.030	10.507	226077	368885	815	1000	53.30- 79.96	66.22
	10.640	11.150	227452	248251	995	1020	56.86- 85.29	66.62
	11.087	11.840	462906	429941	970	957	119.58- 179.37	135.59
	Average of Peak Amounts =				915	978		
Decachlorobiphenyl	15.400	16.627	490000	534230	94.2	96.2		100.00

10/27/10
Acc (2010)

Data File: \\vaash\vaash\data\0009\data\102610.B\1026F006.D

Date: 27-OCT-2010 01:25

Client ID:

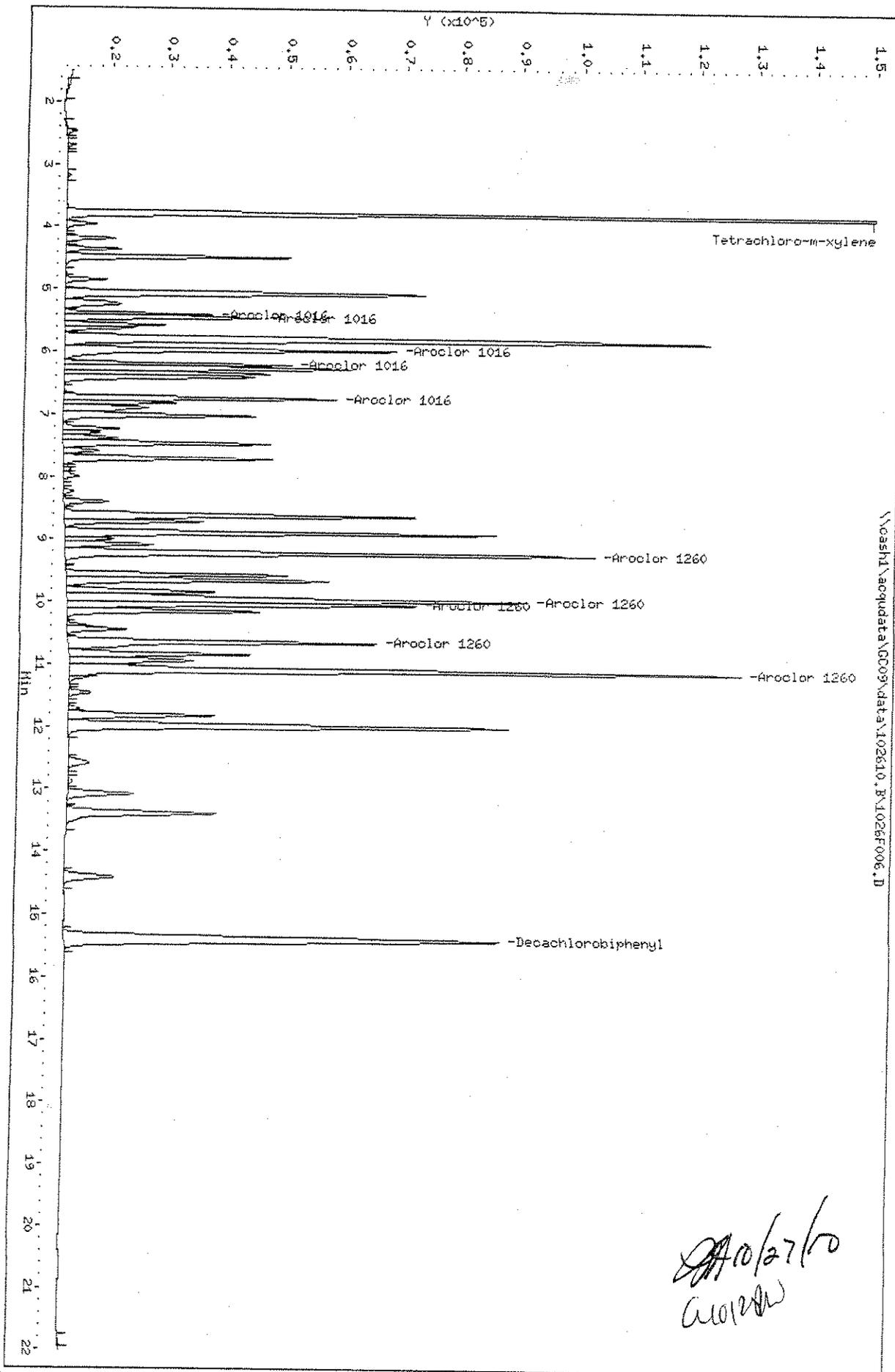
Sample Info: 1660 g 1000ppb / PCB5-65K

Column phase: DB-35MS

Instrument: 0009.i

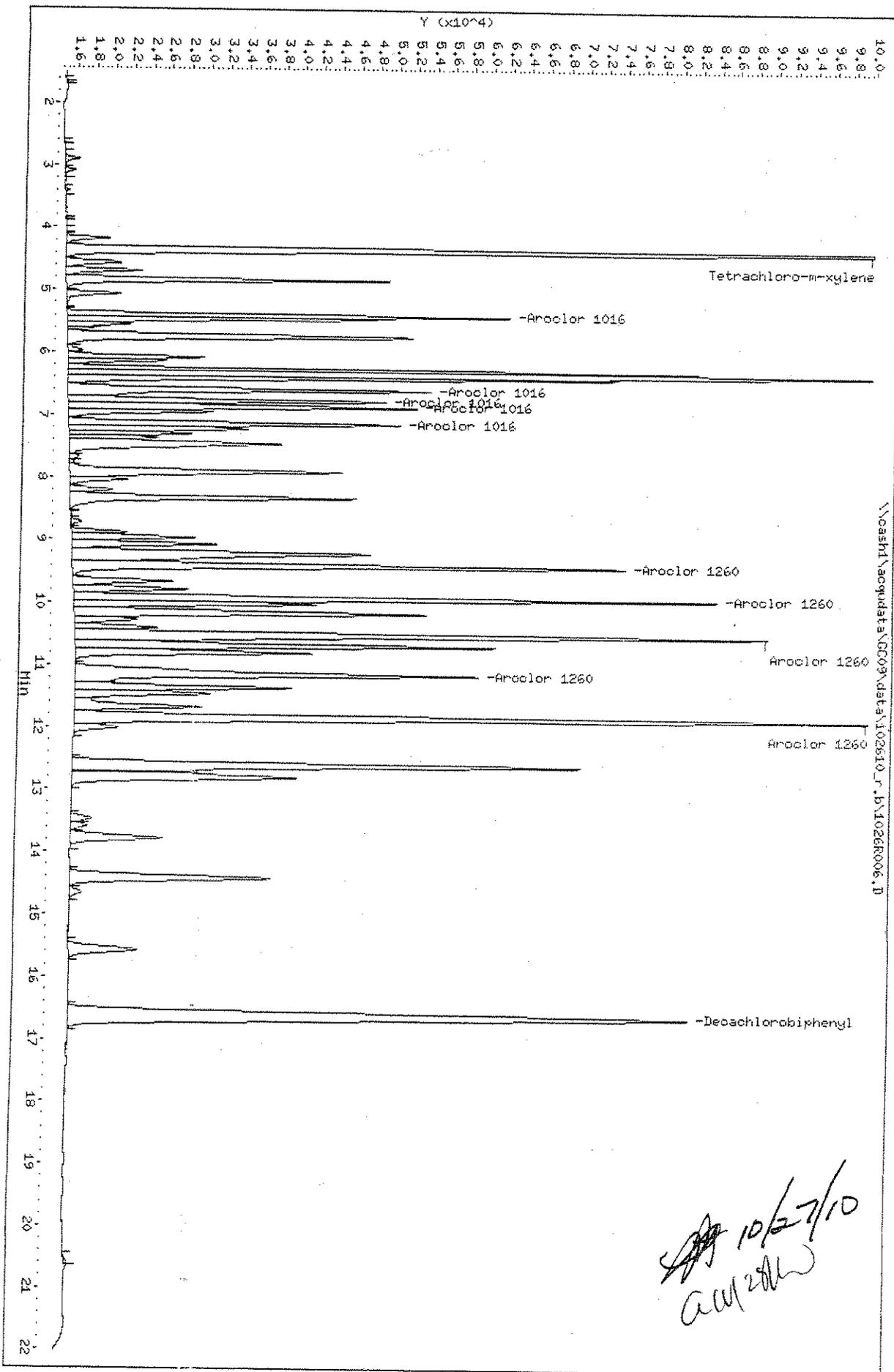
Operator: LHarris

Column diameter: 0.53



Data File: \\casha1\acq\data\GC09\data\102610_r.b\1026R006.D
Date: 27-OCT-2010 01:25
Client ID:
Sample Info: 1560 @ 1000ppb | PCBs-65K
Column phase: DB-MLB

Instrument: GC09.1
Operator: Lharris
Column diameter: 0.153



Handwritten signature and date:
10/27/10
am 28h

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F007.D
 Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R007.D
 Inj Date : 27-OCT-2010 01:51
 Sample Info: 1660 @ 2000ppb | PCB5-55J
 Misc Info :
 Cal Date : 27-OCT-2010 12:35
 Operator : LHarris
 Inst ID : GC09.i
 Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610_f.m
 Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026I0_r.m
 Sub List #1 : AR1660.SUB
 Sub List #2 : AR1660.SUB
 Col #1 Phase : DB-35MS
 Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.770	4.340	969865	1001579	169	177		100.00
Aroclor 1016	5.400	5.397	117424	279517	1780	1650	80.00- 120.00	100.00
	5.453	6.587	203016	306666	1750	1640	133.75- 200.63	172.89
	5.963	6.763	396057	226969	1660	1730	261.64- 392.46	337.29
	6.200	6.860	201587	261870	1630	1720	138.17- 207.26	171.67
	6.740	7.133	280297	243816	1680	1760	185.32- 277.98	236.71
	Average of Peak Amounts =				1700	1700		
Aroclor 1260	9.210	9.403	598637	459955	1530	1720	80.00- 120.00	100.00
	9.960	9.920	661450	501359	1610	1660	90.96- 136.44	110.49
	10.030	10.503	395241	668406	1550	1820	53.30- 79.96	66.02
	10.640	11.147	413176	469217	1810	1930	56.86- 85.29	69.02
	11.083	11.840	839890	781329	1760	1740	119.58- 179.37	140.30
	Average of Peak Amounts =				1650	1770		
Decachlorobiphenyl	15.400	16.627	857506	931188	165	168		100.00

Handwritten signature and date: 10/27/10

Data File: \\osashd\acq\data\GC09\data\102610_P\1026F007.D
Date: 27-OCT-2010 01:51

Client ID:

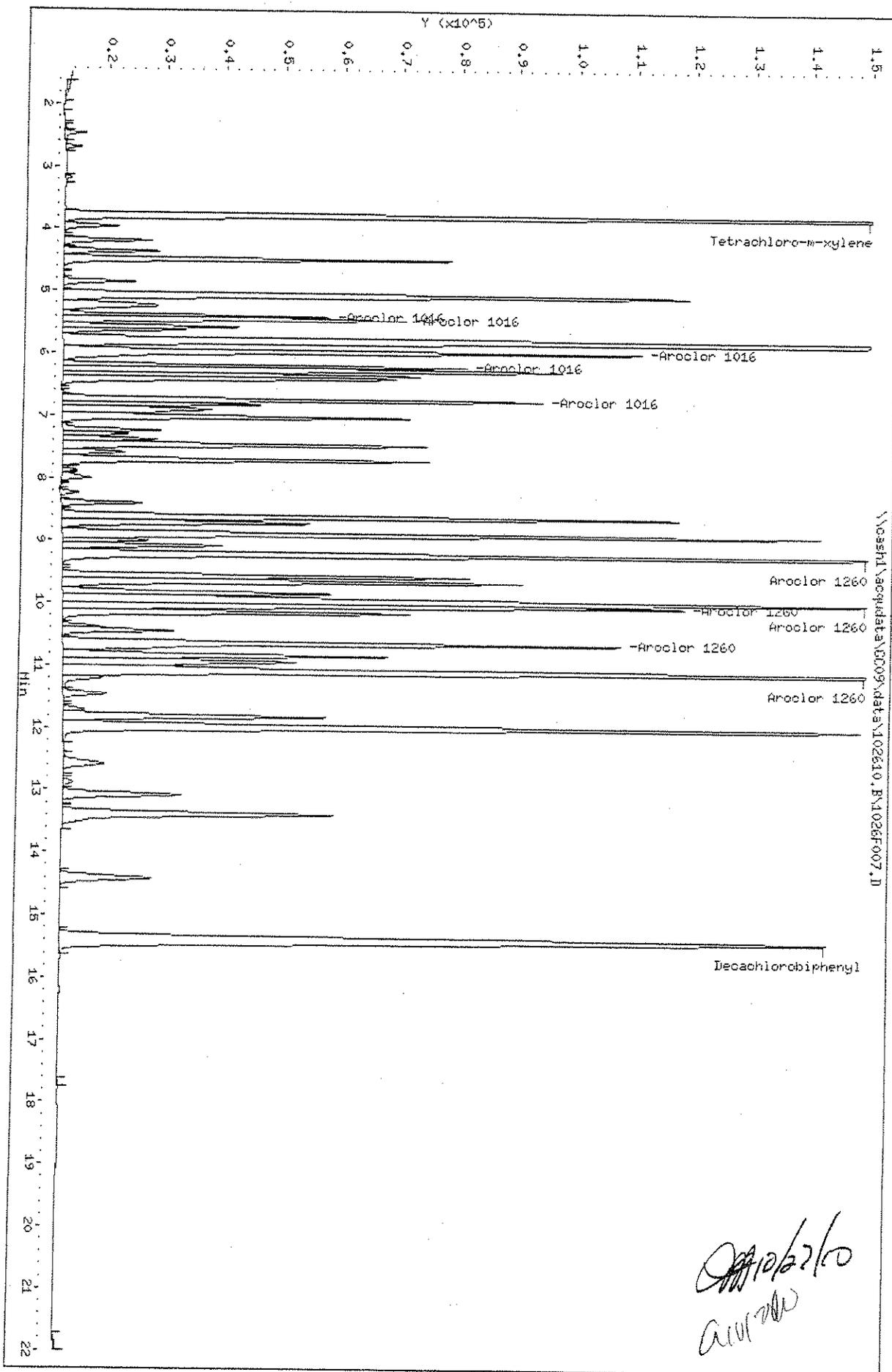
Sample Info: 1660 @ 2000ppb | PCB5-563

Column Phase: DB-35HS

Instrument: GC09.i

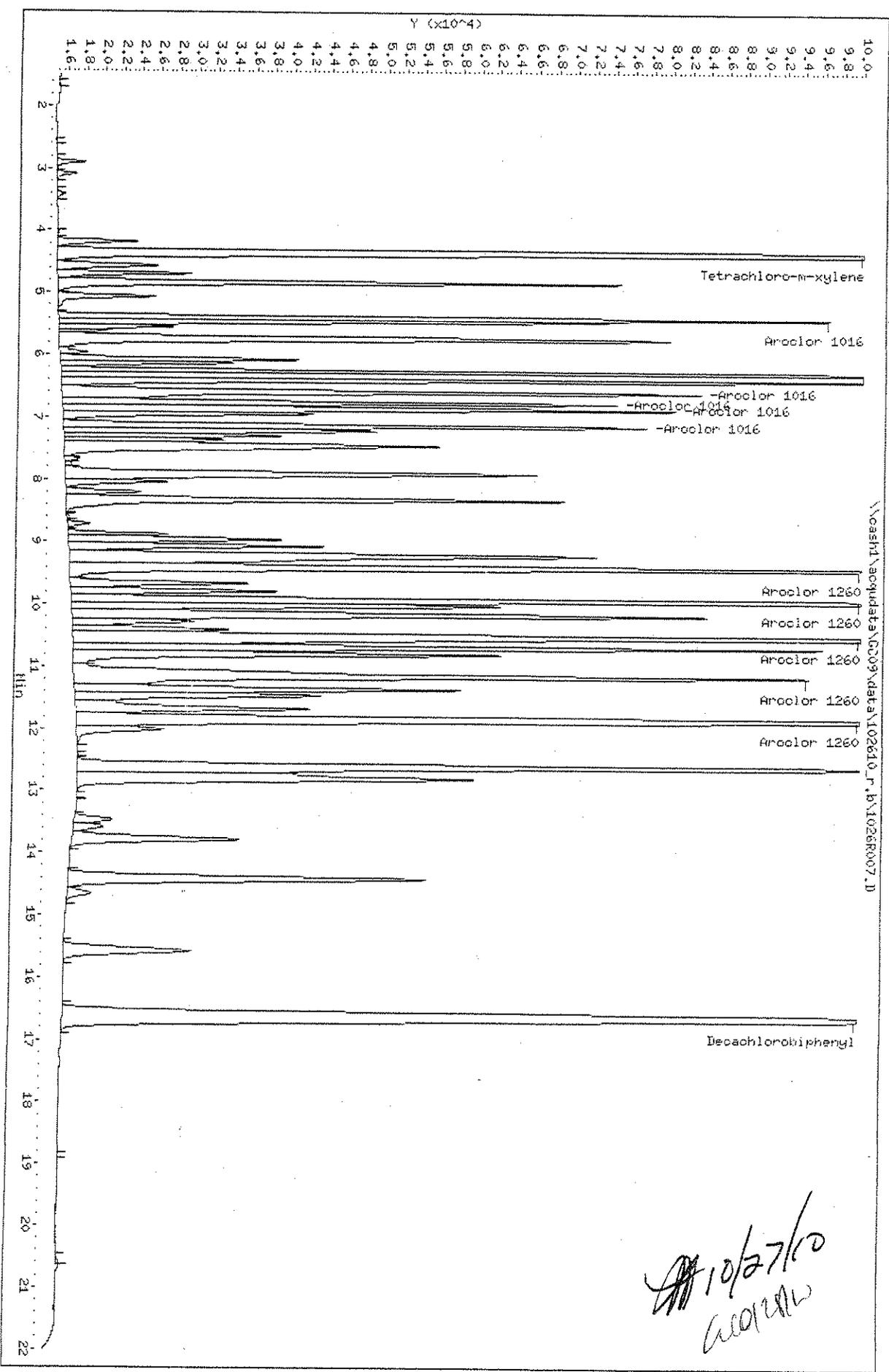
Operator: LHarris

Column diameter: 0.53



Data File: \\vaashd\vaopdata\GC09\data\102610_r.b\1026R007.D
 Date: 27-OCT-2010 01:51
 Client ID:
 Sample Info: 1660 @ 2000ppb | PCBs-563
 Column phase: DB-XLB

Instrument: GC09.1
 Operator: L.Harris
 Column diameter: 0.53



Handwritten signature and date:
 10/27/10
 L.Harris

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F008.D
 Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R008.D
 Inj Date : 27-OCT-2010 02:18
 Sample Info: 1660 @ 5000ppb | PCB5-55K
 Misc Info :
 Cal Date : 27-OCT-2010 12:35
 Operator : LHarris
 Inst ID : GC09.i
 Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610_f.m
 Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
 Sub List #1 : AR1660.SUB
 Sub List #2 : AR1660.SUB
 Col #1 Phase : DB-35MS
 Col #2 Phase : DB-XLB

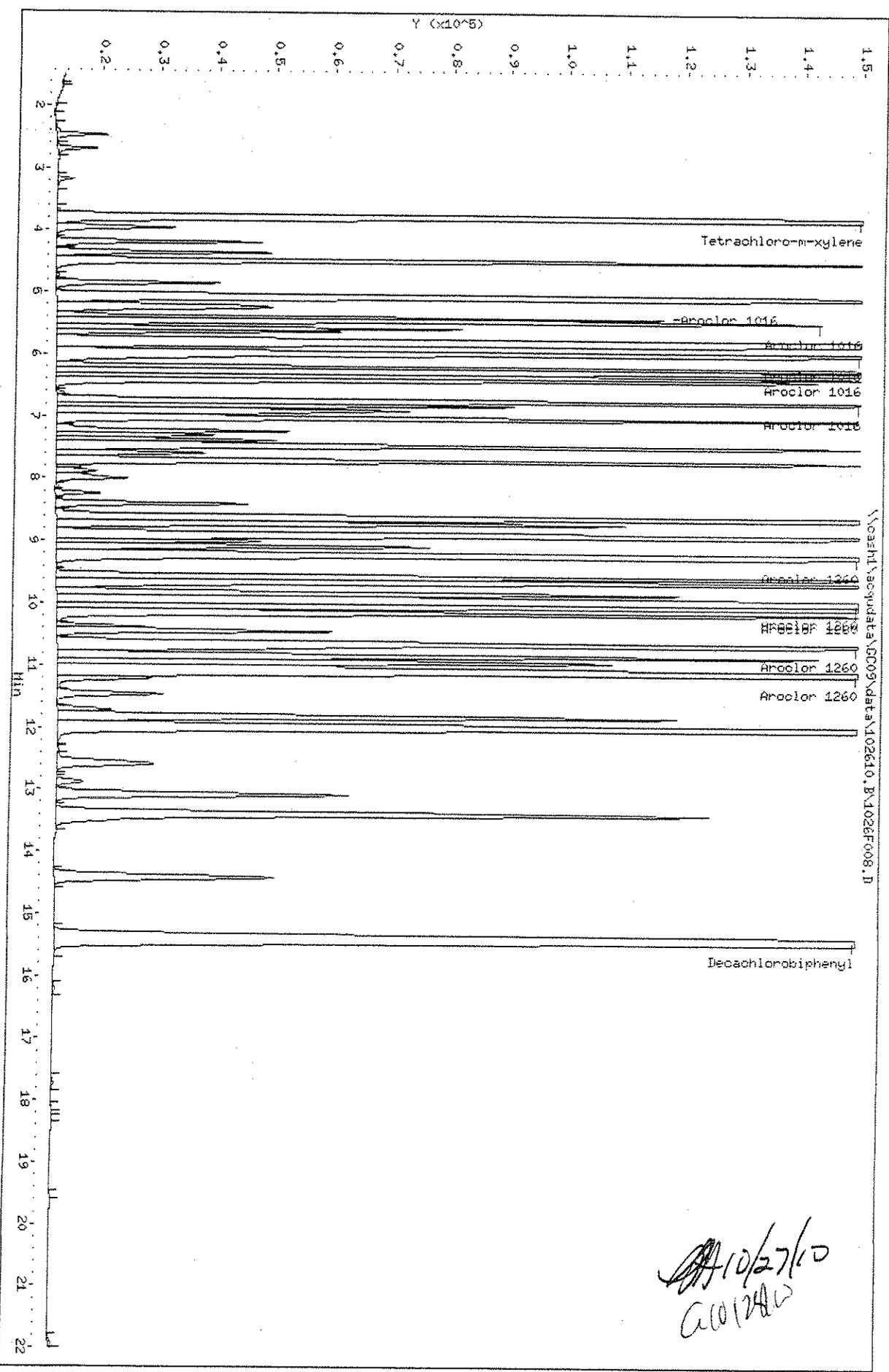
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.767	4.340	2202433	2306562	383	407		100.00
Aroclor 1016	5.400	5.397	272633	624631	4130	3700	80.00- 120.00	100.00
	5.450	6.587	455815	714028	3940	4350	133.75- 200.63	167.19
	5.963	6.763	691648	515674	3730	3940	261.64- 392.46	327.05
	6.197	6.860	470882	588942	4030	3680	138.17- 207.26	172.72
	6.737	7.133	631565	552311	3790	3980	185.32- 277.98	231.65
	Average of Peak Amounts =				3920	3970		
Aroclor 1260	9.207	9.400	1380727	1063721	3530	3980	80.00- 120.00	100.00
	9.957	9.920	1569663	1171050	3830	3870	90.96- 136.44	113.70
	10.030	10.503	919978	1590563	3940	4320	53.30- 79.96	66.63
	10.640	11.147	981329	1098311	4290	4530	56.86- 85.29	71.07
	11.083	11.840	2063854	1864036	4320	4150	119.58- 179.37	149.48
	Average of Peak Amounts =				3980	4170		
Decachlorobiphenyl	15.400	16.623	1968596	2104124	378	379		100.00

Handwritten signature: 10/27/10
 AC0124W

Data File: \\casha1\acq\data\GC09\data\102610_B\1026F008.D
Date: 27-OCT-2010 02:18

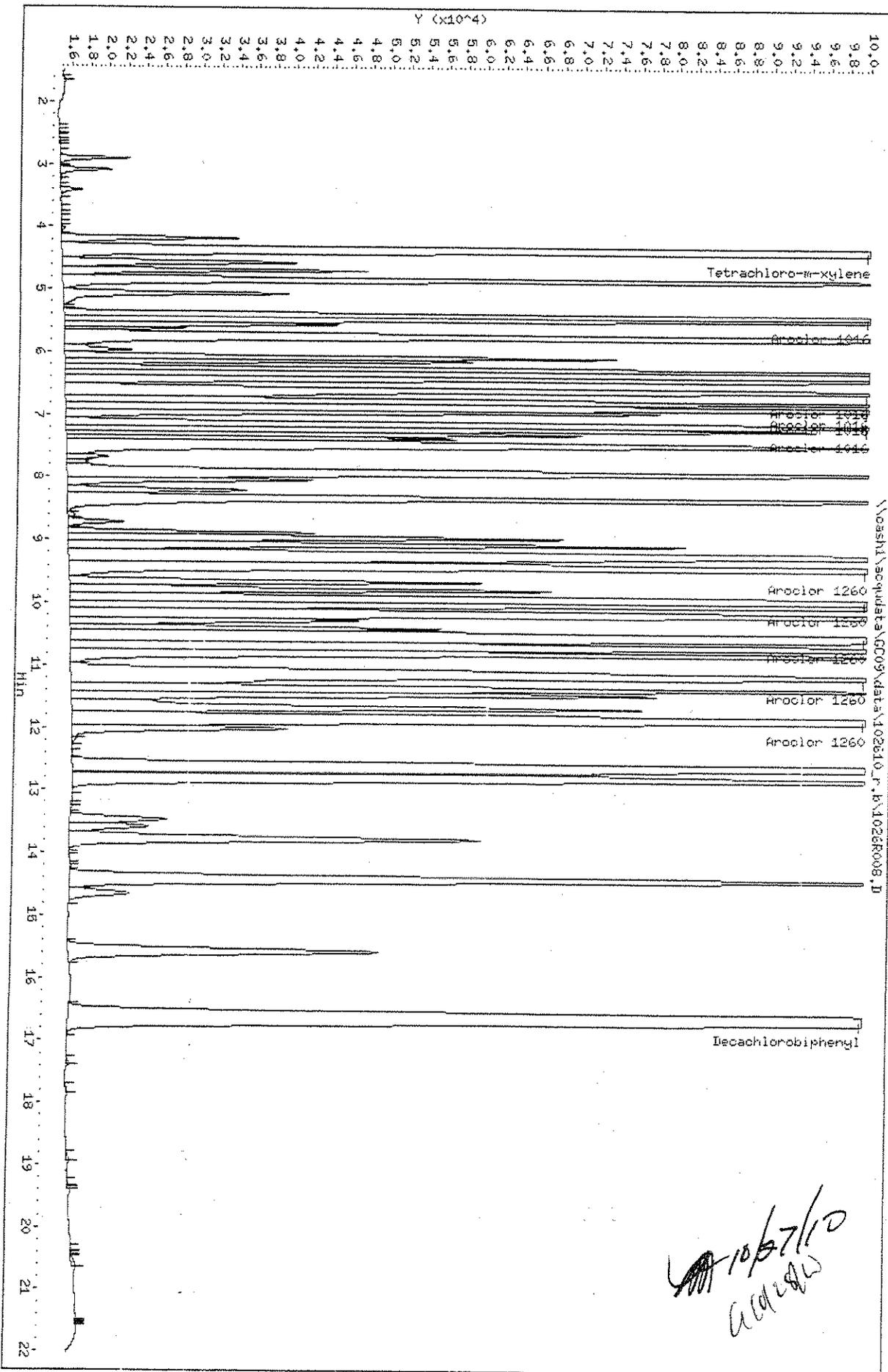
Client ID:
Sample Info: 1660 @ 5000ppb | PCB5-55K
Column phase: DB-35HS

Instrument: GC09.1
Operator: LHarris
Column diameter: 0.53



Data File: \\nasht\acquadata\GC09\data\102610.r.b\1026R008.D
 Date: 27-OCT-2010 02:18
 Client ID:
 Sample Info: 1660 @ 5000ppb | PCB5-55K
 Column phase: DB-XLB

Instrument: GC09.i
 Operator: LHarris
 Column diameter: 0.53



Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F009.D
 Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R009.D
 Inj Date : 27-OCT-2010 02:44
 Sample Info: 1221/1254 @ 50/25ppb | PCB5-63G
 Misc Info :
 Cal Date : 27-OCT-2010 12:28
 Operator : LHarris
 Inst ID : GC09.i
 Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610 f.m
 Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
 Sub List #1 : 1221+1254.sub
 Sub List #2 : 1221+1254.sub
 Col #1 Phase : DB-35MS
 Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1221	3.187	3.410	4539	4395	75.4	70.4	80.00- 120.00	100.00
	4.187	4.180	5752	1733	69.6	48.1	100.52- 150.78	126.74
	4.357	4.690	3799	3548	70.3	63.0	64.35- 96.52	83.71
	4.480	4.830	13871	13197	75.5	70.3	239.06- 358.59	305.58
	Average of Peak Amounts =				72.7	63.0		
Aroclor 1254	7.707	8.323	10951	12492	31.7	32.5	80.00- 120.00	100.00 (M)
	8.403	8.883	7207	5090	30.1	27.0	53.50- 80.26	65.81 (M)
	8.600	9.067	14914	10131	30.7	27.8	111.76- 167.65	136.19 (M)
	9.000	9.660	13466	8788	31.8	29.7	97.53- 146.29	122.97 (M)
	9.210	10.503	6307	7131	29.4	22.2	49.15- 73.73	57.60 (M)
Average of Peak Amounts =				30.7	27.8			

QC Flag Legend

M - Compound response manually integrated.

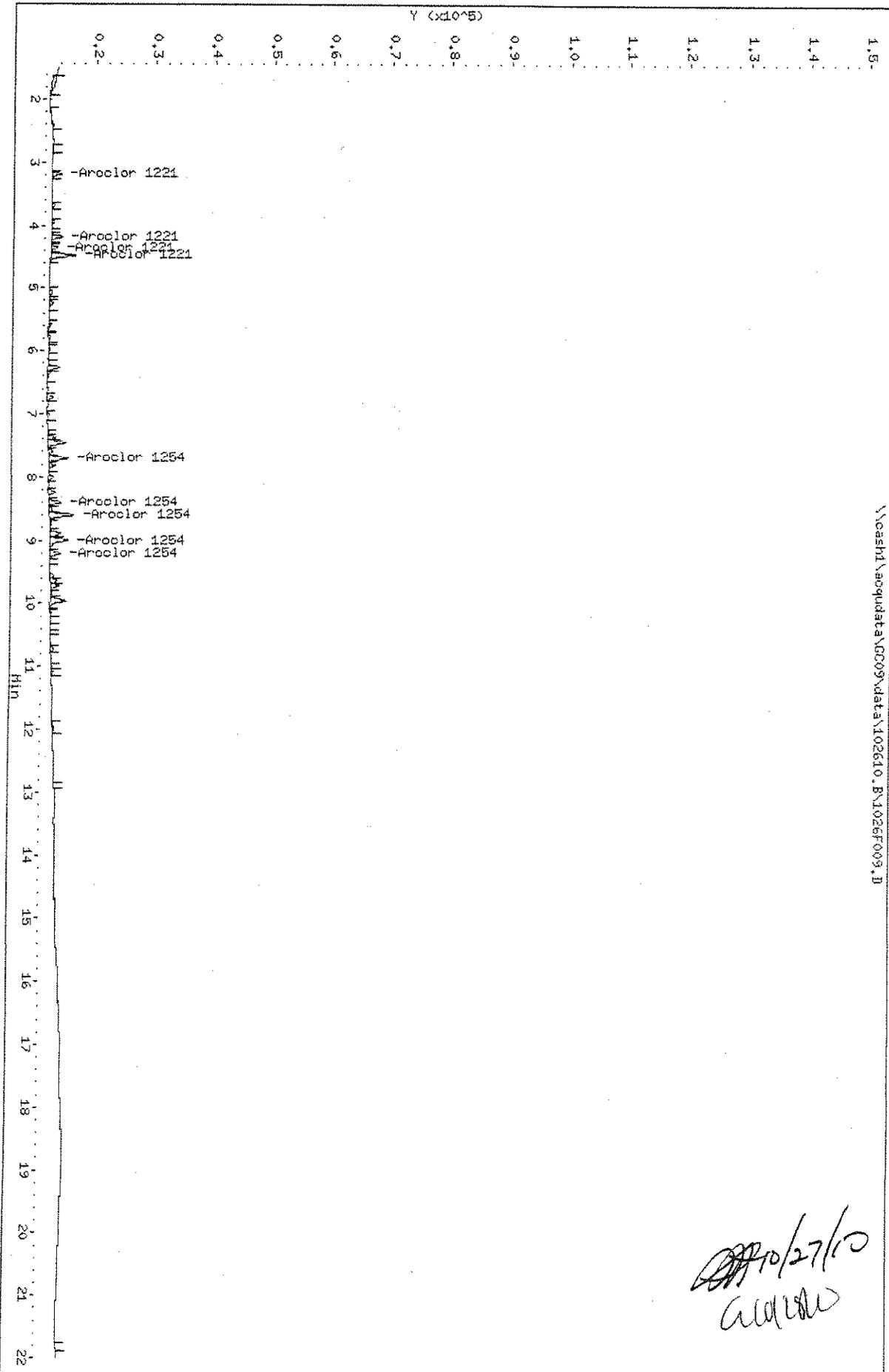
Handwritten signature and date: 10/27/10

Data File: \\casha1\acq\data\GC09\data\102610.B\1026F009.D
Date : 27-OCT-2010 02:44
Client ID:
Sample Info: 1221/1254 @ 50/25ppb | PCBs-63C
Column phase: DB-30MS

Instrument: GC09.1
Operator: LHarris
Column diameter: 0.53

\\casha1\acq\data\GC09\data\102610.B\1026F009.D

10/27/10
acq



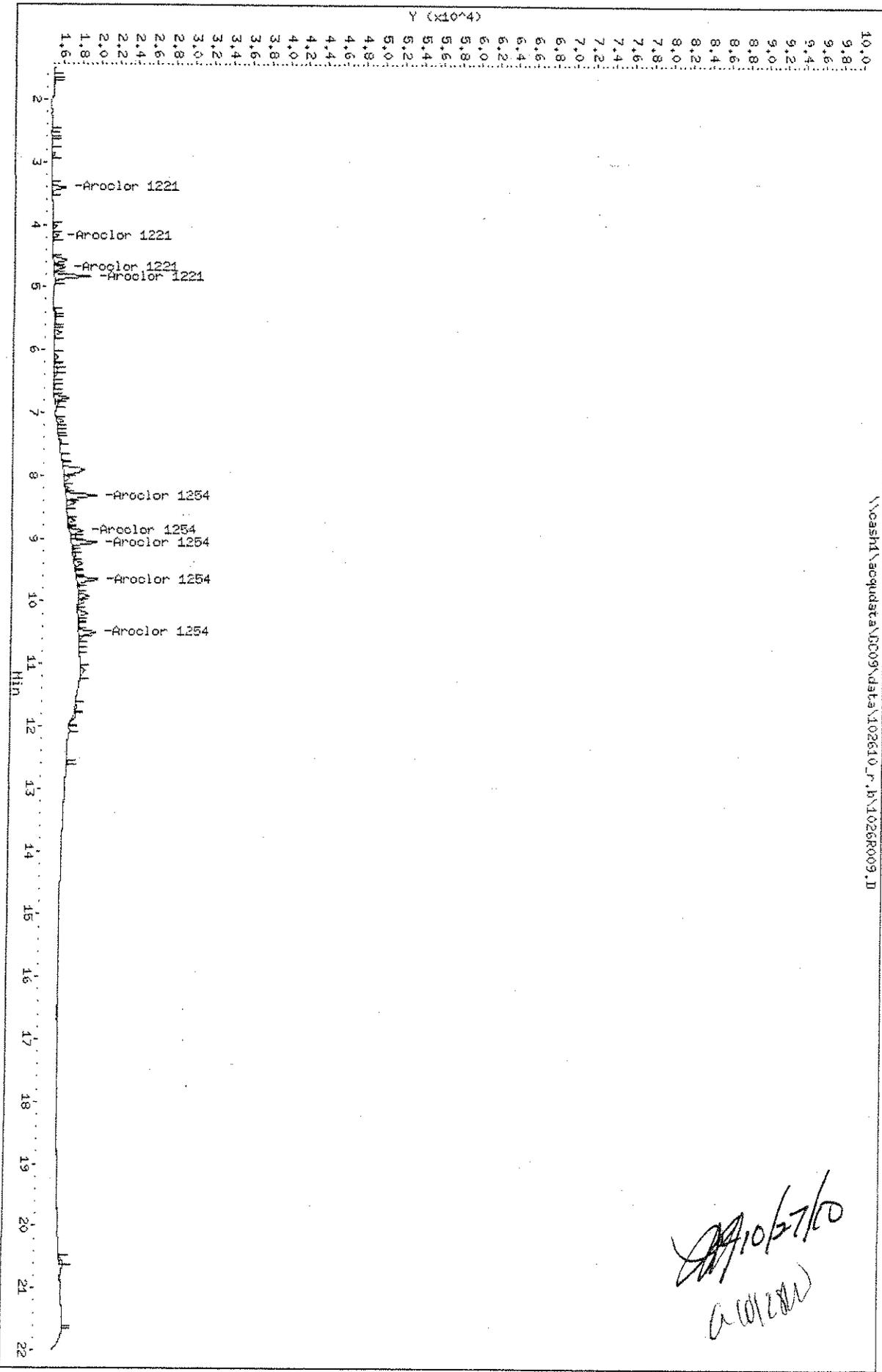
Data File: \\oashd\acquadata\GC09\data\102610_r.h\1026R009.D
Date : 27-OCT-2010 02:44

Client ID:
Sample Info: 1221/1254 @ 50/25ppb | PCBs-63C

Column phase: DB-XLB

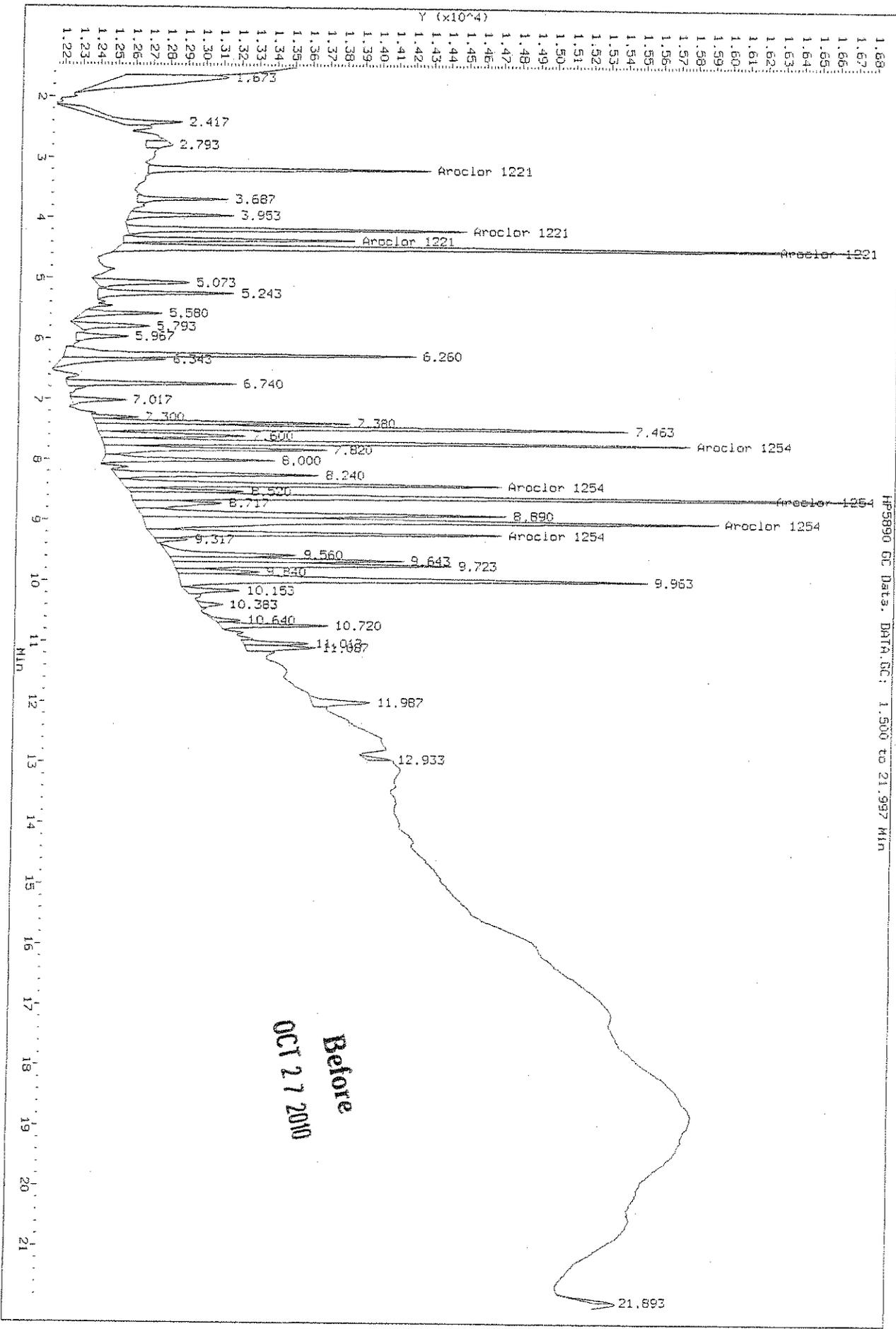
Instrument: GC09.1
Operator: LHarris
Column diameter: 0.53

\\oashd\acquadata\GC09\data\102610_r.h\1026R009.D



Handwritten signature and date: 10/27/10

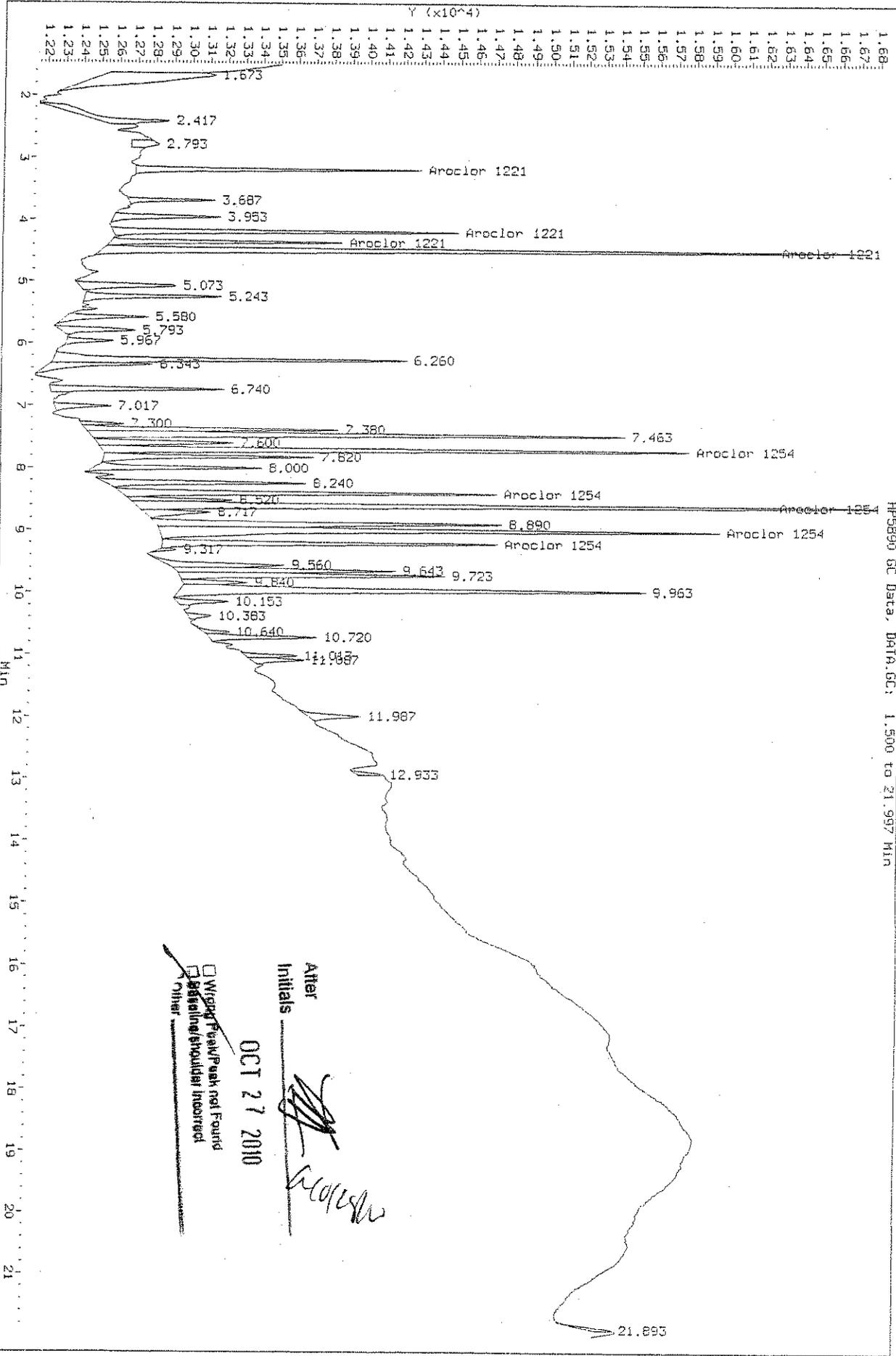
Data File: \\ceshi\acq\data\GC09\data\102610_B11026r009.D
 Injection Date: 27-OCT-2010 02:44
 Instrument: GC09.1
 Client Sample ID:



HP5890 GC Data, DATA.SC: 1.500 to 21.997 Min

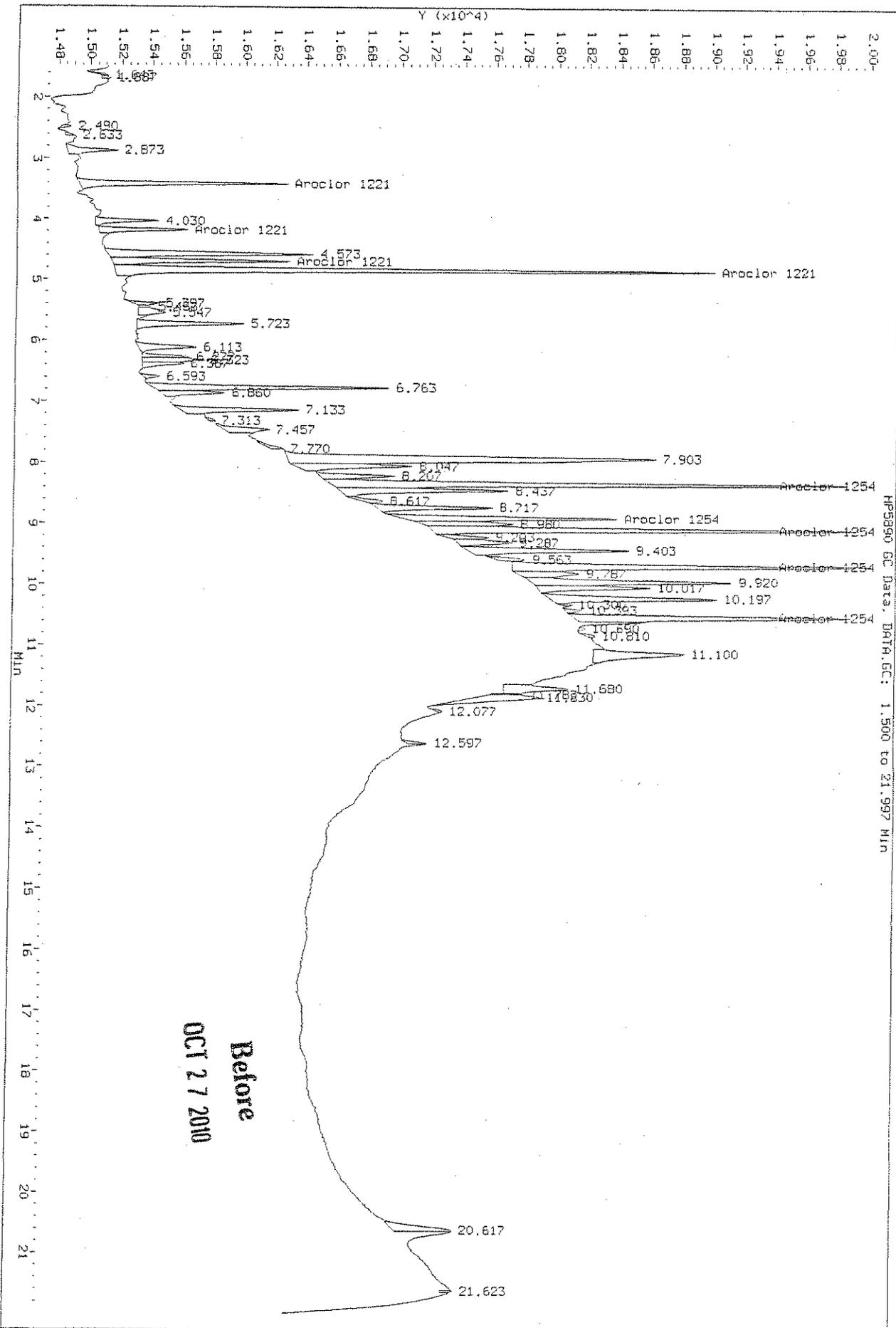
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 Injection Date: 27-OCT-2010 02:44
 Instrument: GC09.1
 Client Sample ID:

HP5890 GC Data, DATA.GC: 1.500 to 21.997 Min

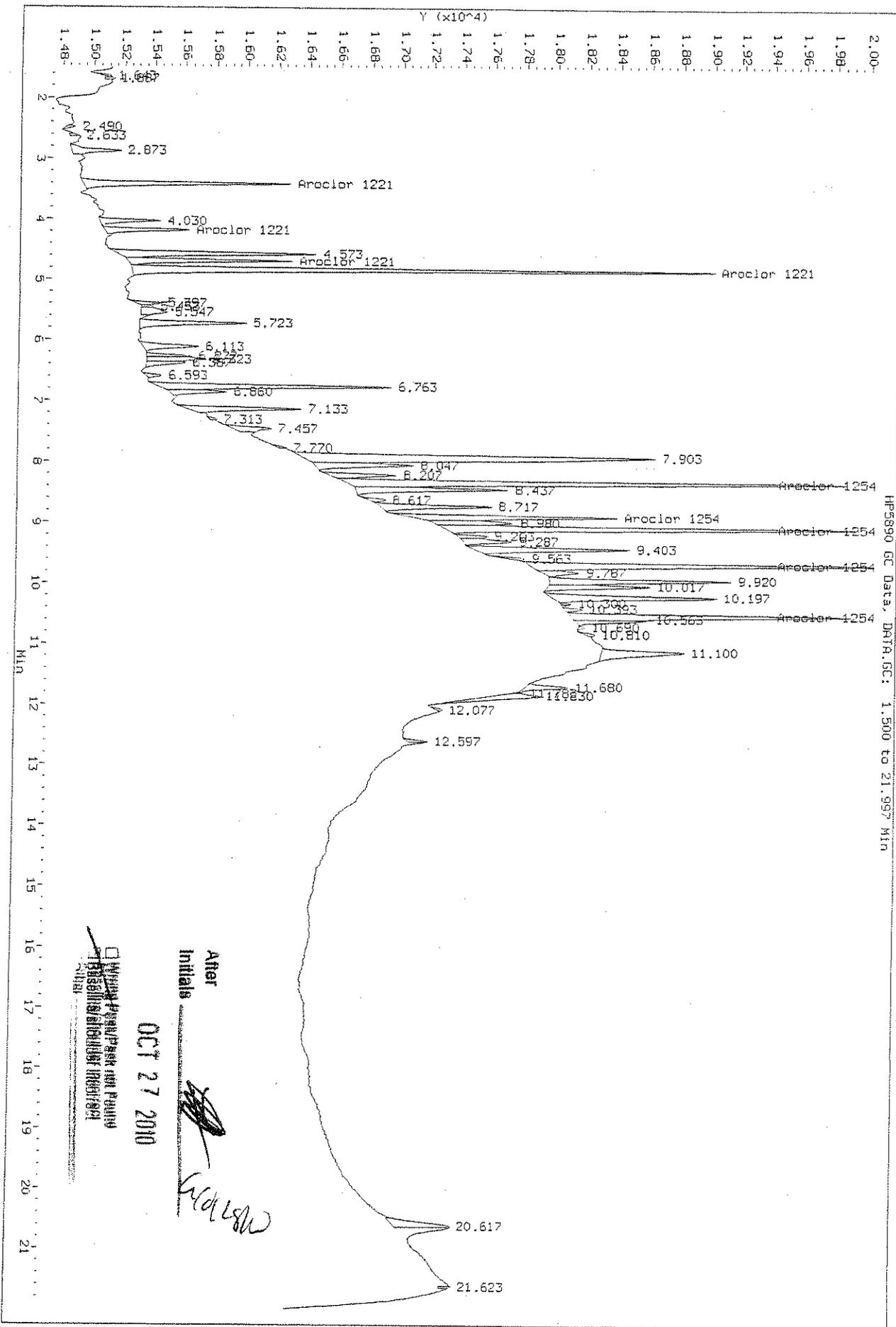


Alter Initials [Signature]
 OCT 27 2010
 Wrong Peak/Not Found
 Retention/Should be Incorrect
 Other

Data File: \Acsh1\acq\data\6009\data\102610.r.b\1026R009.D
 Injection Date: 27-OCT-2010 02:44
 Instrument: GC09.1
 Client Sample ID:



Data File: \\cash1\arcdata\GC09\data\102610.r.b\1026R009.D
 Injection Date: 27-OCT-2010 02:44
 Instrument: GC09.1
 Client Sample ID:



Data File: \\cash1\acqdata\GC09\data\102610.B\1026F010.D
 Report Date: 27-Oct-2010 14:48

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F010.D
 Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R010.D
 Inj Date : 27-OCT-2010 03:11
 Sample Info: 1221/1254 @ 100/50ppb | PCB5-63H
 Misc Info :
 Cal Date : 27-OCT-2010 12:32
 Operator : LHarris
 Inst ID : GC09.i
 Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610_f.m
 Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
 Sub List #1 : 1221+1254.sub
 Sub List #2 : 1221+1254.sub
 Col #1 Phase : DB-35MS
 Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1221	3.187	3.410	8529	7907	142	127	80.00- 120.00	100.00
	4.183	4.177	10717	2952	130	82.0	100.52- 150.78	125.65
	4.357	4.690	6860	6973	127	124	64.35- 96.52	80.43
	4.480	4.830	25487	24792	139	132	239.06- 358.59	298.83
	Average of Peak Amounts =				134	116		
Aroclor 1254	7.707	8.323	19662	23884	56.9	62.2	80.00- 120.00	100.00 (M)
	8.403	8.883	13150	9952	58.0	53.3	53.50- 80.26	66.88 (M)
	8.600	9.067	27469	20033	56.5	55.8	111.76- 167.65	139.71 (M)
	9.000	9.660	23969	16791	56.6	57.8	97.53- 146.29	121.91 (M)
	9.210	10.500	12081	16193	56.3	51.3	49.15- 73.73	61.44 (M)
	Average of Peak Amounts =				56.3	56.1		

QC Flag Legend

M - Compound response manually integrated.

DA 10/27/10
acq

Data File: \\voash1\acq\data\6009\data\102610.B\1026F010.D

Date : 27-OCT-2010 03:11

Client ID:

Sample Info: 1221/1254 @ 100/50ppb | PCBs-63H

Column phase: DB-35MS

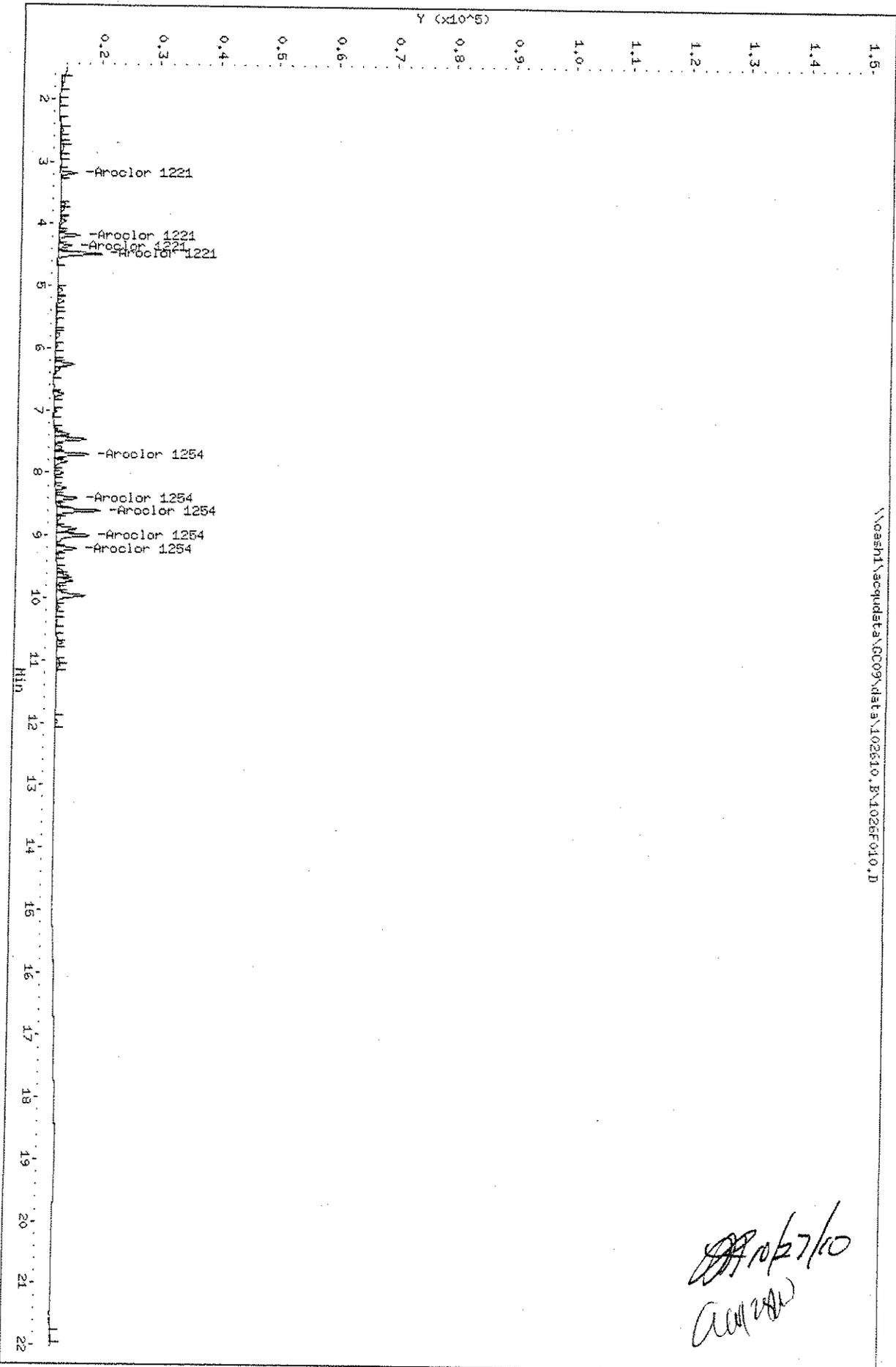
Instrument: GC09.1

Operator: LHarris

Column diameter: 0.53

\\voash1\acq\data\6009\data\102610.B\1026F010.D

Handwritten signature and date: LHarris 10/27/10

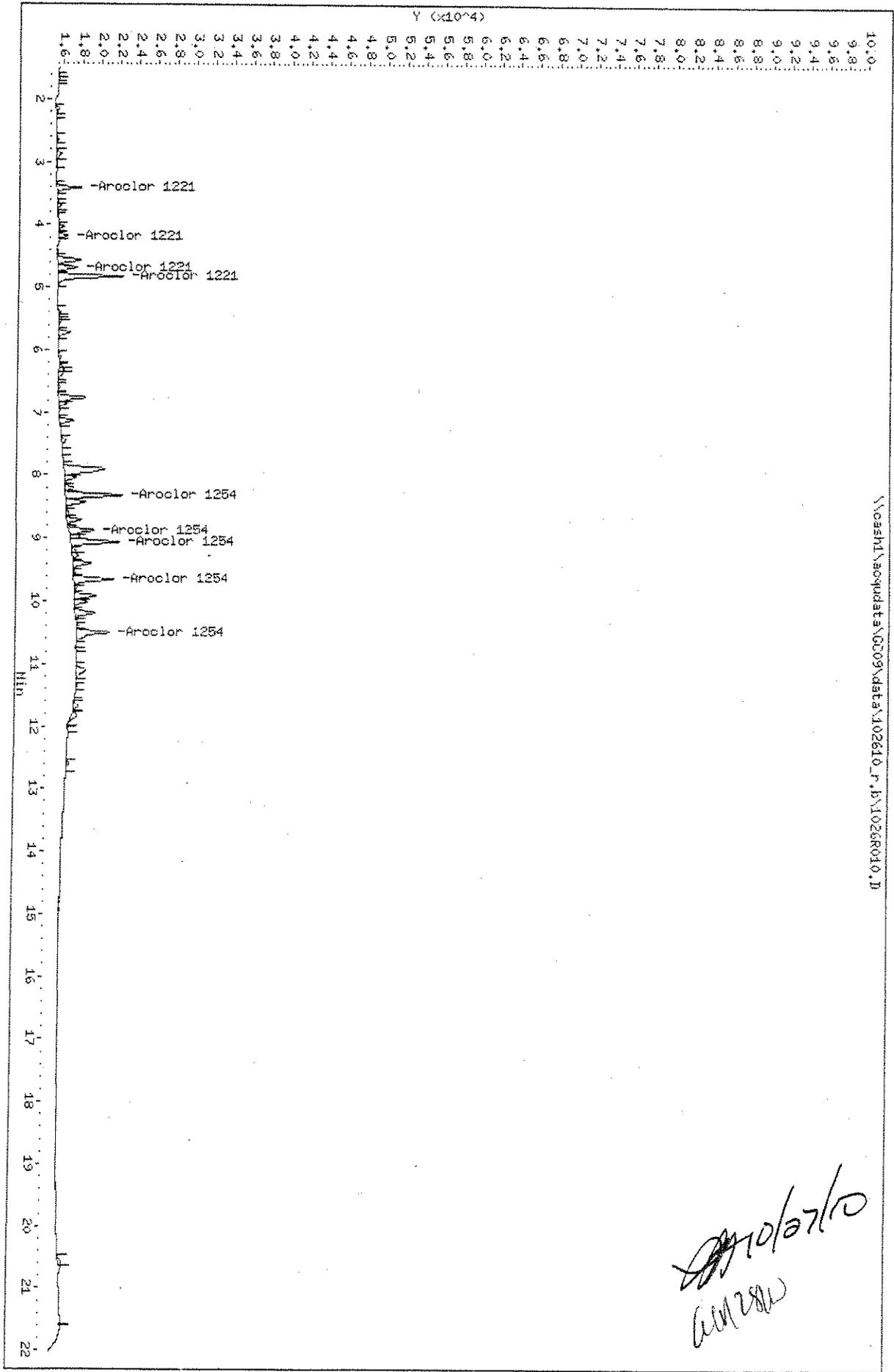


Data File: \\ncash1\acq\data\GC09\data\102610_r_b\1026R010.D
 Date: 27-OCT-2010 03:11
 Client ID:
 Sample Info: 1221/1254 @ 100/50ppb | PCB5-63H
 Column phase: DB-XLB

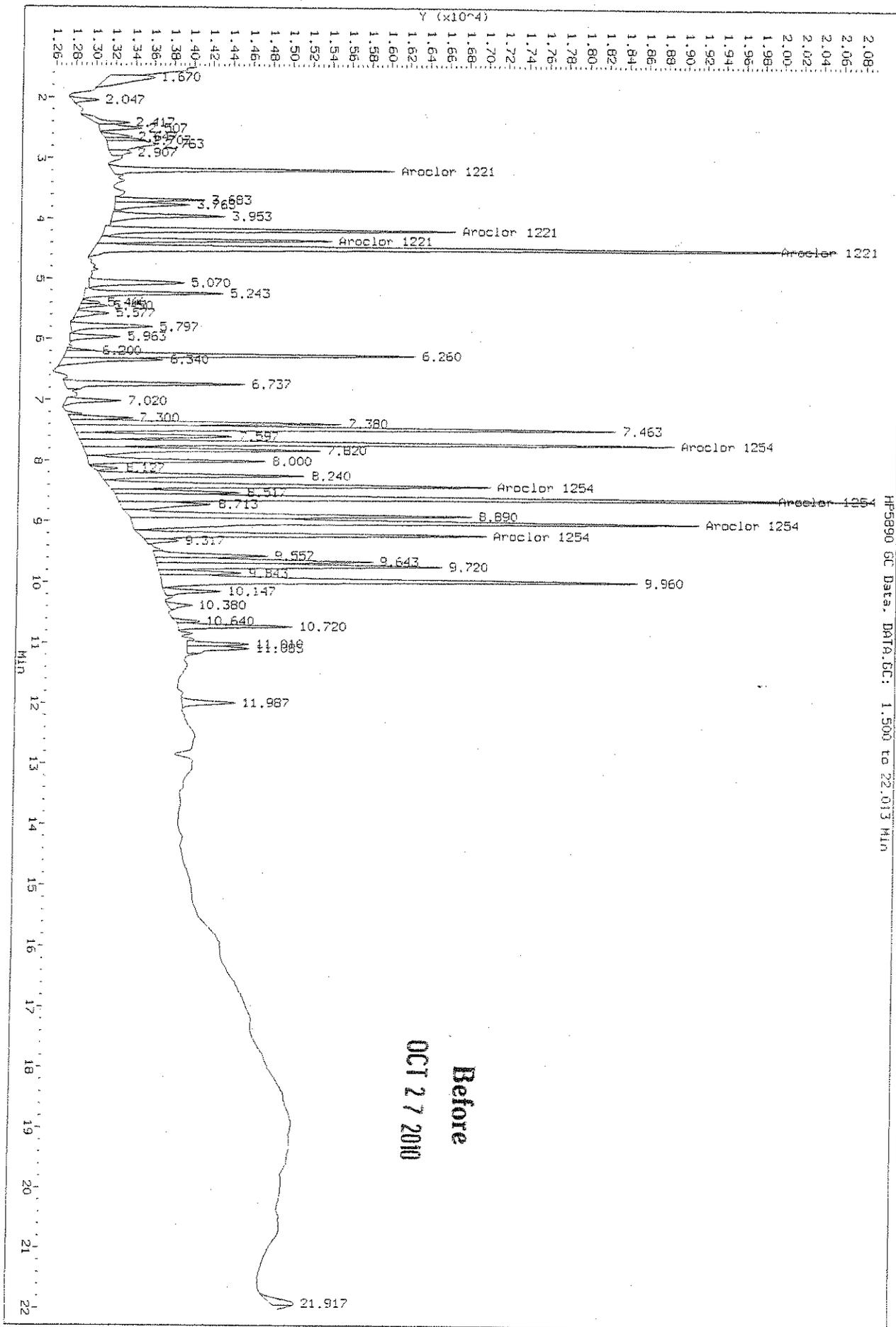
Instrument: GC09.i
 Operator: LHarris
 Column diameter: 0.53

\\ncash1\acq\data\GC09\data\102610_r_b\1026R010.D

Handwritten signature and date:
 10/27/10
 LHarris

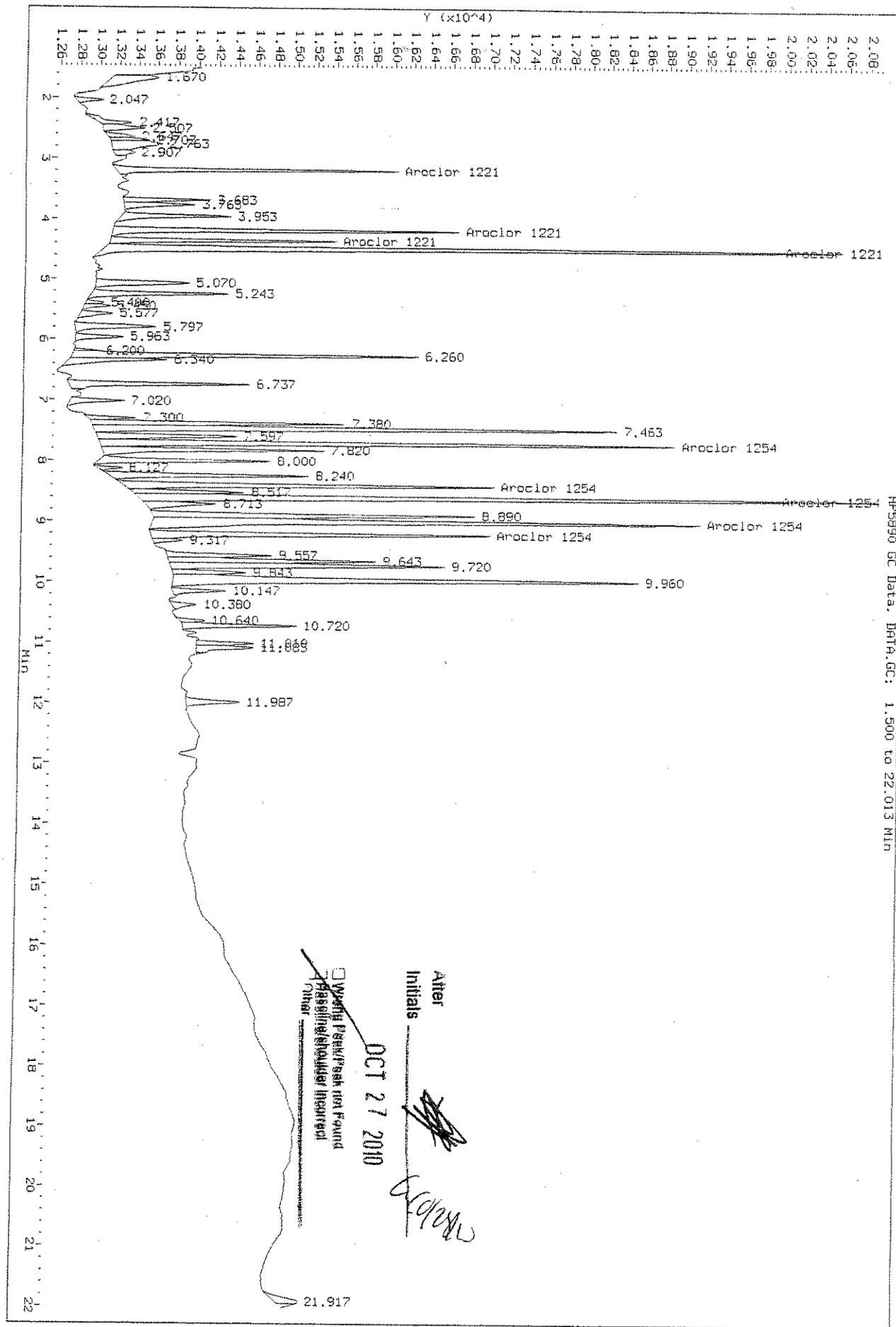


Data File: \\casah\acq\data\GC09\data\102810.B\10281010.B
 Injection Date: 27-OCT-2010 03:11
 Instrument: GC09.1
 Client Sample ID:



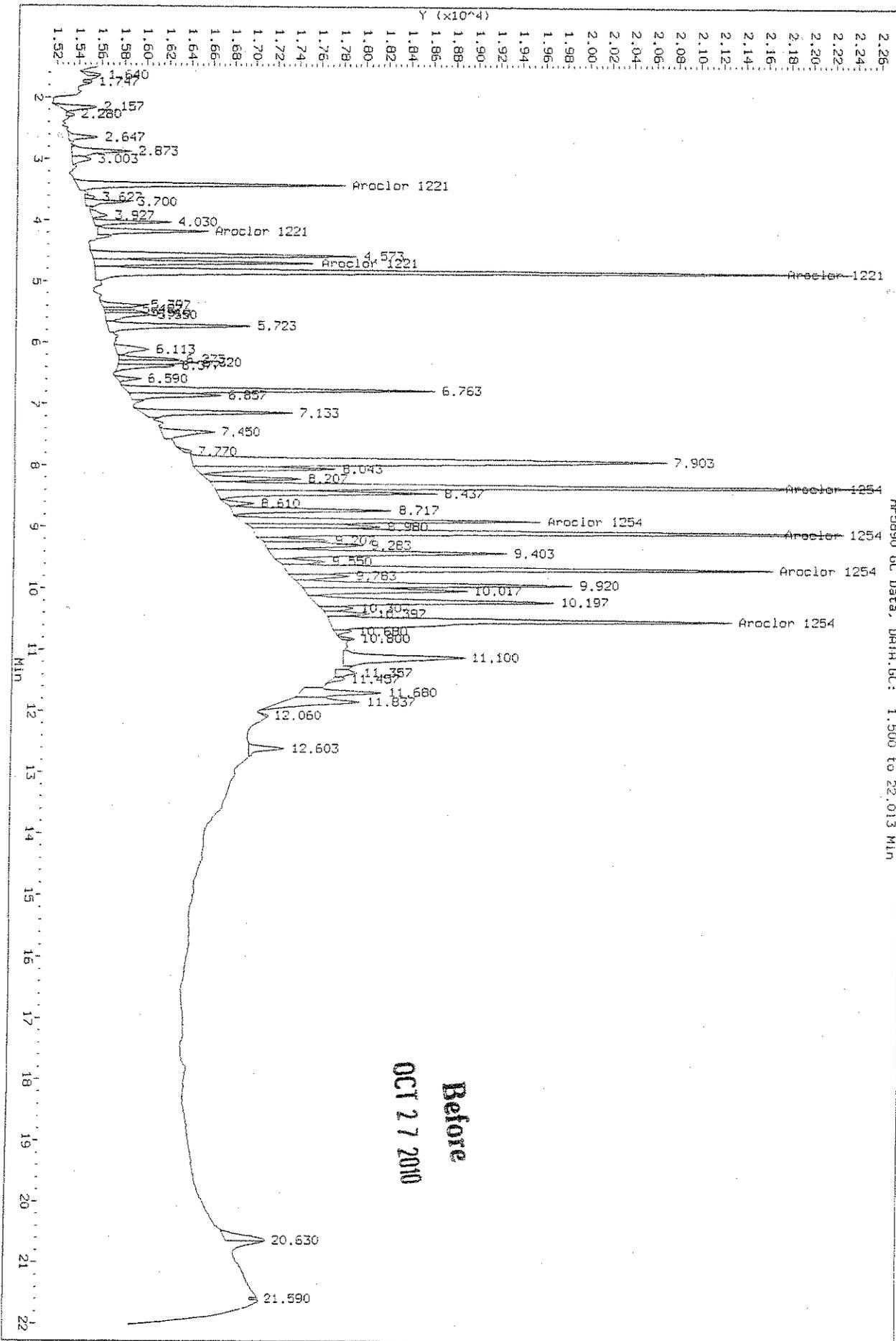
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 Injection Date: 27-OCT-2010 03:11
 Instrument: GC09.1
 Client Sample ID:

HP5890 GC Data, DATA.GC: 1.500 to 22.013 Min



Alter Initials [Signature]
 Wash Bottle/Flush not Found
 Passline/Standard Incorrect
 Other _____
 OCT 27 2010
[Signature]

Data File: \\csech1\acq\data\6009\data\102610_r\11026P010.D
 Injection Date: 27-OCT-2010 03:11
 Instrument: GC09.1
 Client Sample ID:



HP6890 GC Data, DATA.GC: 1.500 to 22.013 Min

OCT 27 2010
 Before

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F011.D
 Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R011.D
 Inj Date : 27-OCT-2010 03:37
 Sample Info: 1221/1254 @ 1000/500ppb | PCB5-63I
 Misc Info :
 Cal Date : 27-OCT-2010 12:32
 Operator : LHarris
 Inst ID : GC09.i
 Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610 f.m
 Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
 Sub List #1 : 1221+1254.sub
 Sub List #2 : 1221+1254.sub
 Col #1 Phase : DB-35MS
 Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1221	3.183	3.410	60188	62447	1000	1000	80.00- 120.00	100.00
	4.183	4.177	82593	36006	1000	1000	100.52- 150.76	137.22
	4.357	4.690	54009	56319	1000	1000	64.35- 96.52	89.73
	4.480	4.830	183777	187689	1000	1000	239.06- 358.59	305.34
	Average of Peak Amounts =				1000	1000		
Aroclor 1254	7.703	8.323	162428	191011	470	491	80.00- 120.00	100.00 (M)
	8.403	8.883	111848	97432	468	511	53.50- 80.26	68.86 (M)
	8.600	9.067	230000	188488	473	510	111.76- 167.65	141.60 (M)
	8.997	9.657	197899	149878	466	495	97.53- 146.29	121.84 (M)
	9.210	10.500	103309	174487	481	541	49.15- 73.73	63.60 (M)
Average of Peak Amounts =				472	510			

QC Flag Legend

M - Compound response manually integrated.

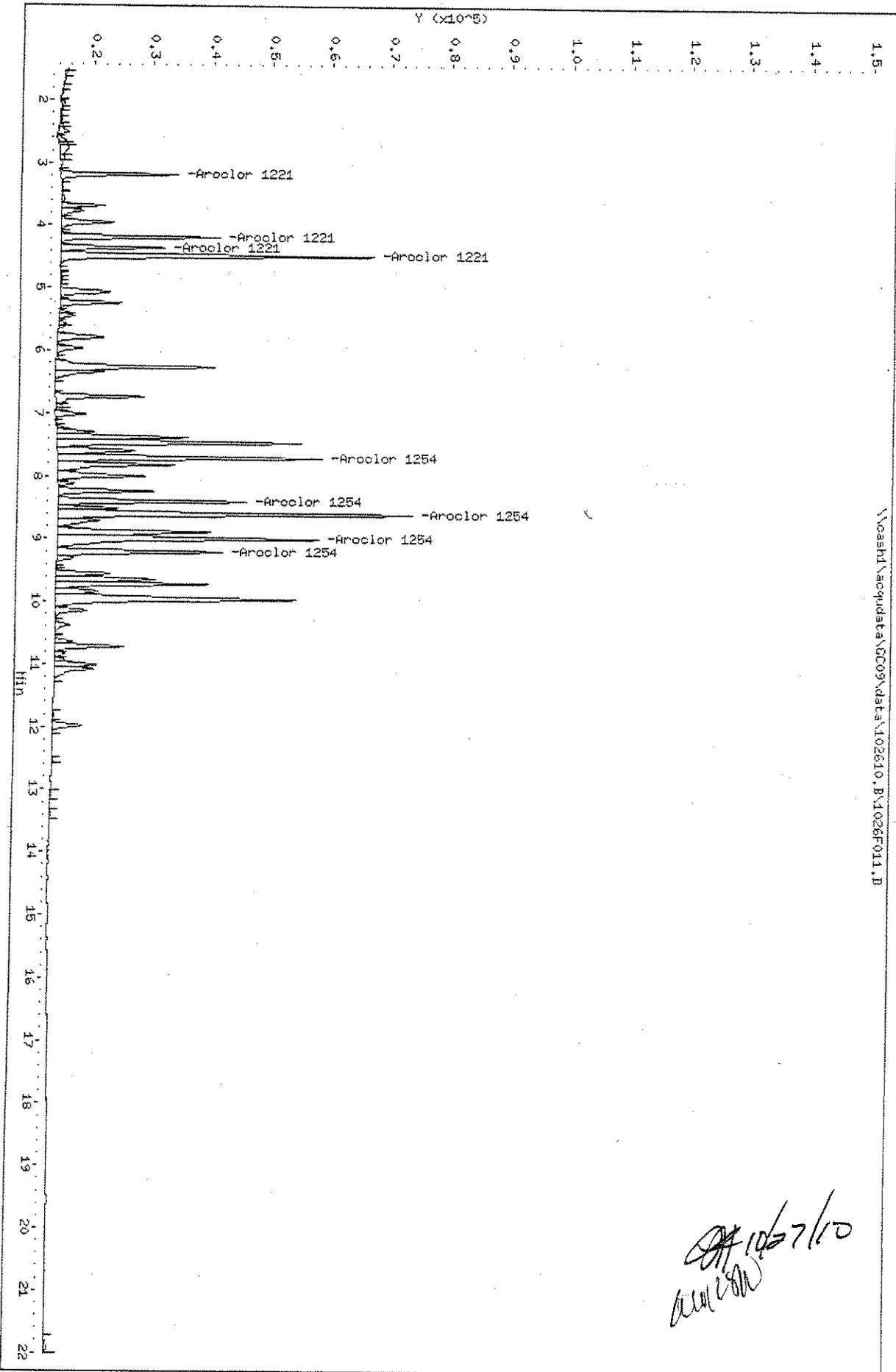
Handwritten signature and date:
 10/27/10
 [Signature]

Data File: \\voashd\voashdata\GC09\data\102610.B\1026F011.D
Date: 27-OCT-2010 03:37
Client ID:
Sample Info: 1221/1254 @ 1000/500ppb | PCBs-631
Column Phase: DB-35MS

Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53

\\voashd\voashdata\GC09\data\102610.B\1026F011.D

Handwritten signature and date: 10/27/10



Data File: \nossh1\acq\data\GC09\data\102610_J.P\1026R011.D
Date: 27-OCT-2010 03:37

Client ID:

Sample Info: 1221/1254 @ 1000/500ppb | PCB5-631

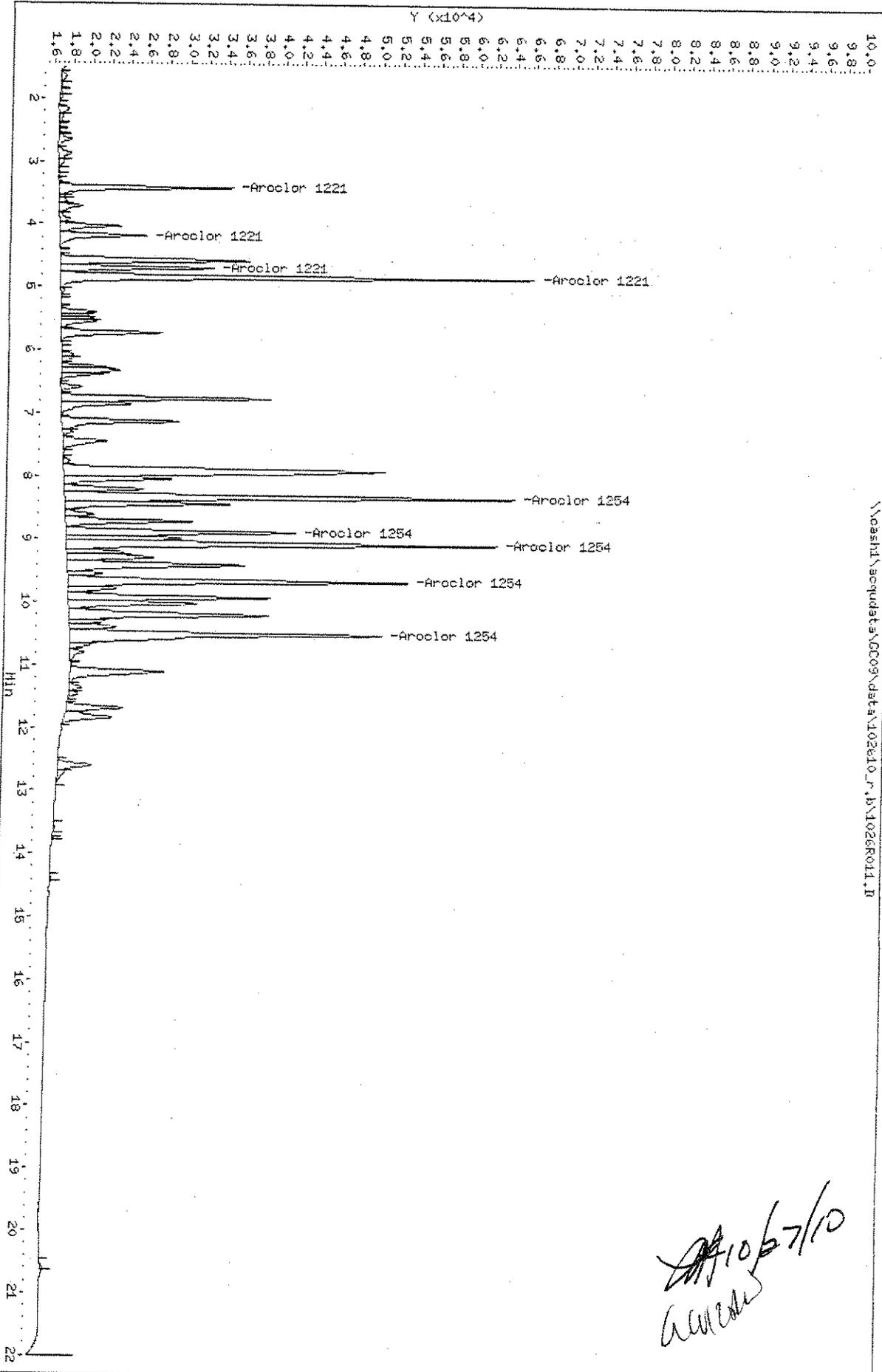
Column phase: DB-NLB

Instrument: GC09.i

Operator: LHarris

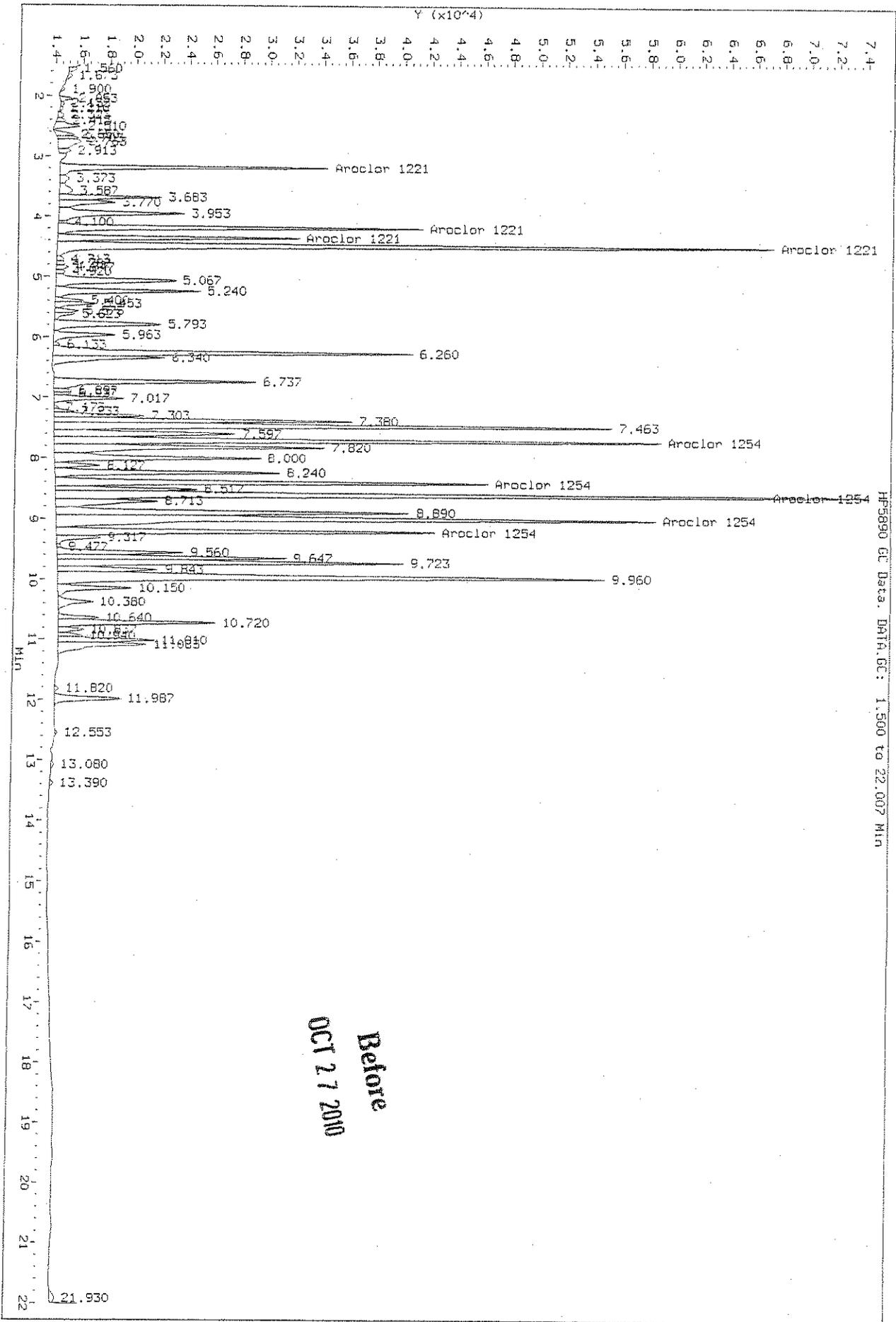
Column diameter: 0.53

\nossh1\acq\data\GC09\data\102610_J.P\1026R011.D



Handwritten signature and date: 10/27/10

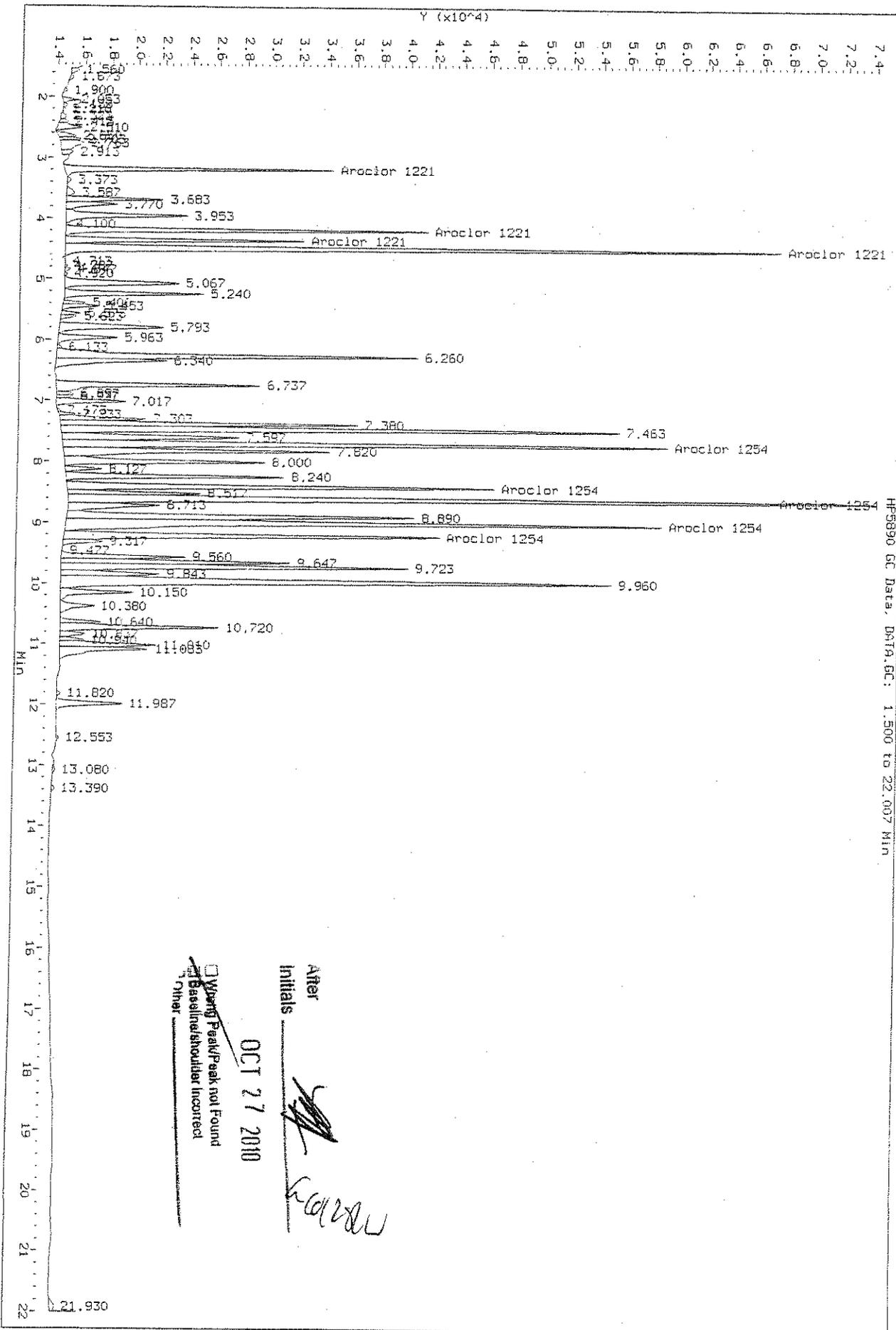
Data File: \\cashi\acq\data\GC09\data\102610_B\1026101.D
 Injection Date: 27-OCT-2010 03:37
 Instrument: GC09.1
 Client Sample ID:



Before
 OCT 27 2010

Data File: \\ceash1\acquadata\GC09\data\102610.B\1026F011.D
 Injection Date: 27-OCT-2010 03:37
 Instrument: GC09.1
 Client Sample ID:

HF5890 GC Data, DATA.GC: 1.500 to 22.007 Min



Alter Initials
 Young Peak/Peak not Found
 Baseline/shoulder incorrect
 Other
 OCT 27 2010

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F012.D
 Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R012.D
 Inj Date : 27-OCT-2010 04:04
 Sample Info: 1221/1254 @ 2000/1000ppb | PCB5-63J
 Misc Info :
 Cal Date : 27-OCT-2010 12:32
 Operator : LHarris
 Inst ID : GC09.i
 Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610_f.m
 Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026I0_r.m
 Sub List #1 : 1221+1254.sub
 Sub List #2 : 1221+1254.sub
 Col #1 Phase : DB-35MS
 Col #2 Phase : DB-XLB

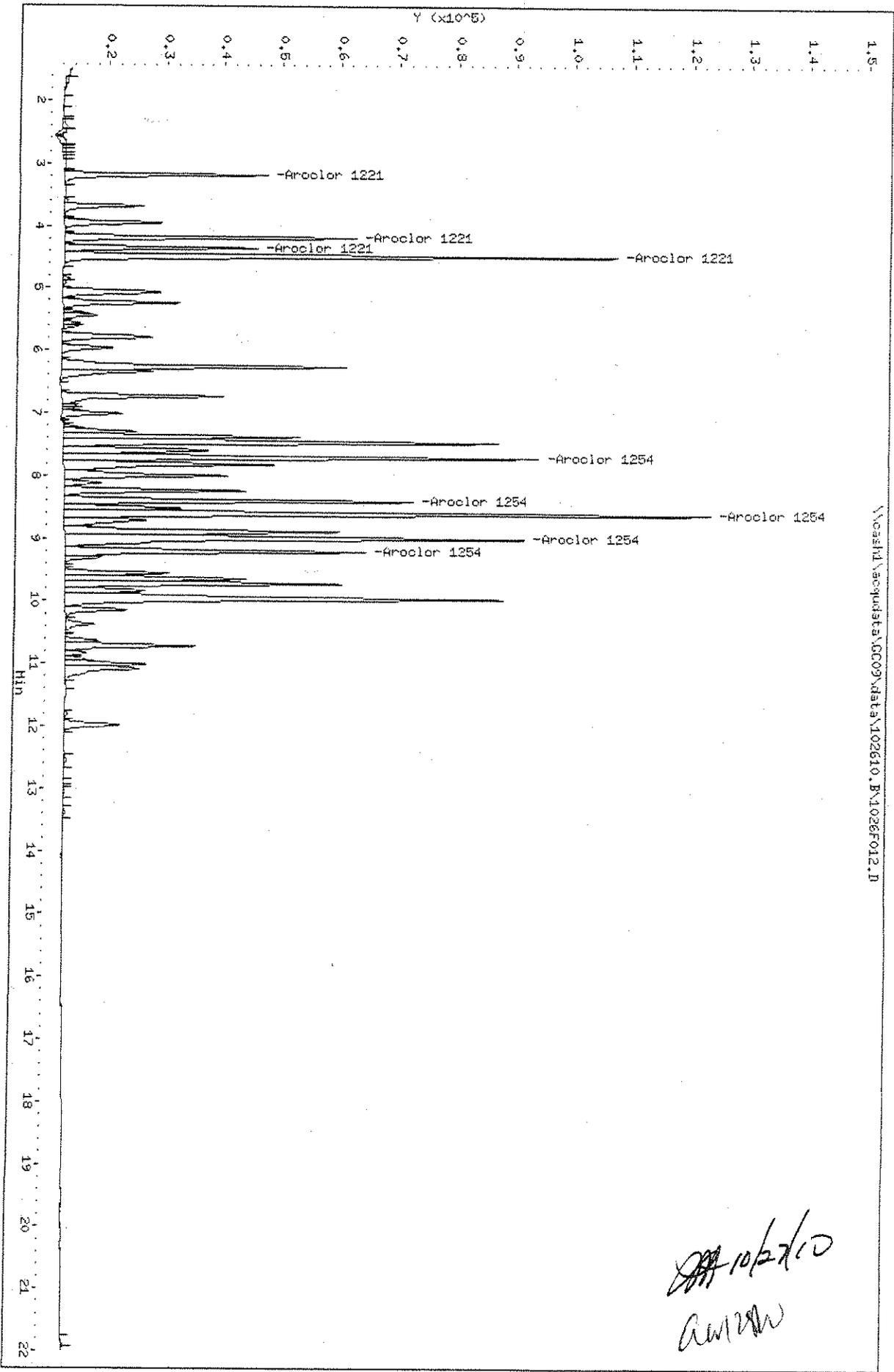
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1221	3.183	3.410	111060	112961	1840	1610	80.00- 120.00	100.00
	4.187	4.180	156961	64259	1900	1780	100.52- 150.78	141.33
	4.357	4.690	104200	108470	1930	1920	64.35- 96.52	93.82
	4.480	4.830	337927	347339	1840	1850	239.06- 358.59	304.27
	Average of Peak Amounts =					1880	1840	
Aroclor 1254	7.703	8.323	299106	348284	866	896	80.00- 120.00	100.00
	8.403	8.883	218040	185497	914	978	53.50- 80.26	72.90
	8.600	9.067	429213	349613	885	947	111.76- 167.65	143.50
	8.997	9.660	368748	274894	936	908	97.53- 146.29	123.28
	9.210	10.500	194935	330877	904	1030	49.15- 73.73	65.17
Average of Peak Amounts =					901	952		

Handwritten signature and date:
 10/27/10
 [Signature]

Data File: \\nasht\nasqudata\GC09\data\102610.B\1026F012.D
Date: 27-OCT-2010 04:04
Client ID:
Sample Info: 1221/1254 @ 2000/1000ppb | PCBs-63J
Column phase: DB-35MS

Instrument: GC09.1
Operator: LHarris
Column diameter: 0.53

\\nasht\nasqudata\GC09\data\102610.B\1026F012.D



Handwritten signature/initials

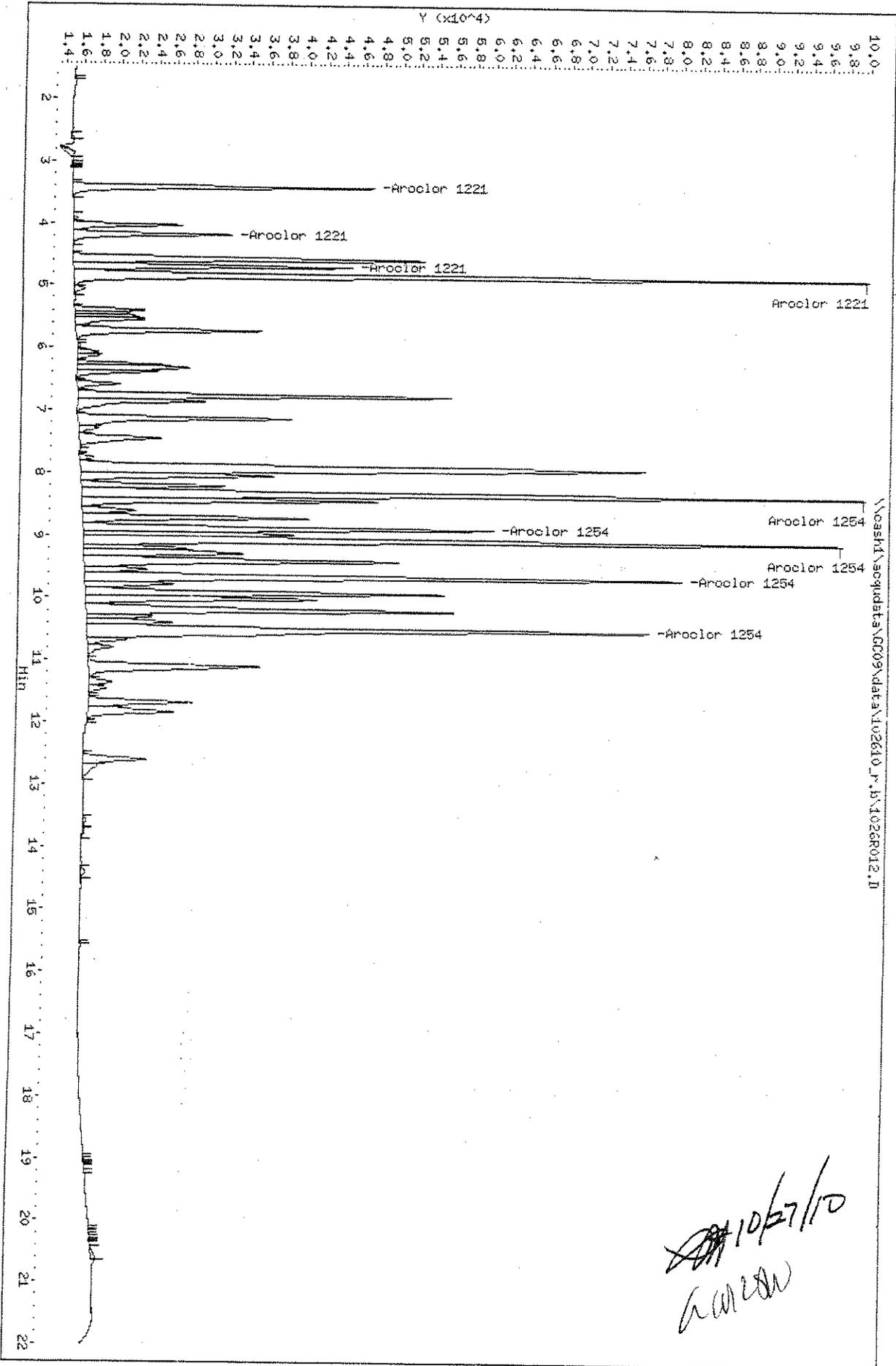
Data File: \\nosah1\acq\data\GC09\data\102610_r.b\1026R012.D
Date: 27-OCT-2010 04:04

Client ID:
Sample Info: 1221/1254 @ 2000/1000ppb | PCB5-633

Column Phase: DB-XLB

Instrument: GC09.1
Operator: LHarris
Column diameter: 0.53

\\nosah1\acq\data\GC09\data\102610_r.b\1026R012.D



Handwritten signature and date: 10/27/10

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F013.D
 Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R013.D
 Inj Date : 27-OCT-2010 04:30
 Sample Info: 1221/1254 @ 4000/2000ppb | PCB5-63K
 Misc Info :
 Cal Date : 27-OCT-2010 12:32
 Operator : LHarris
 Inst ID : GC09.i
 Dil Factor : 1.000000

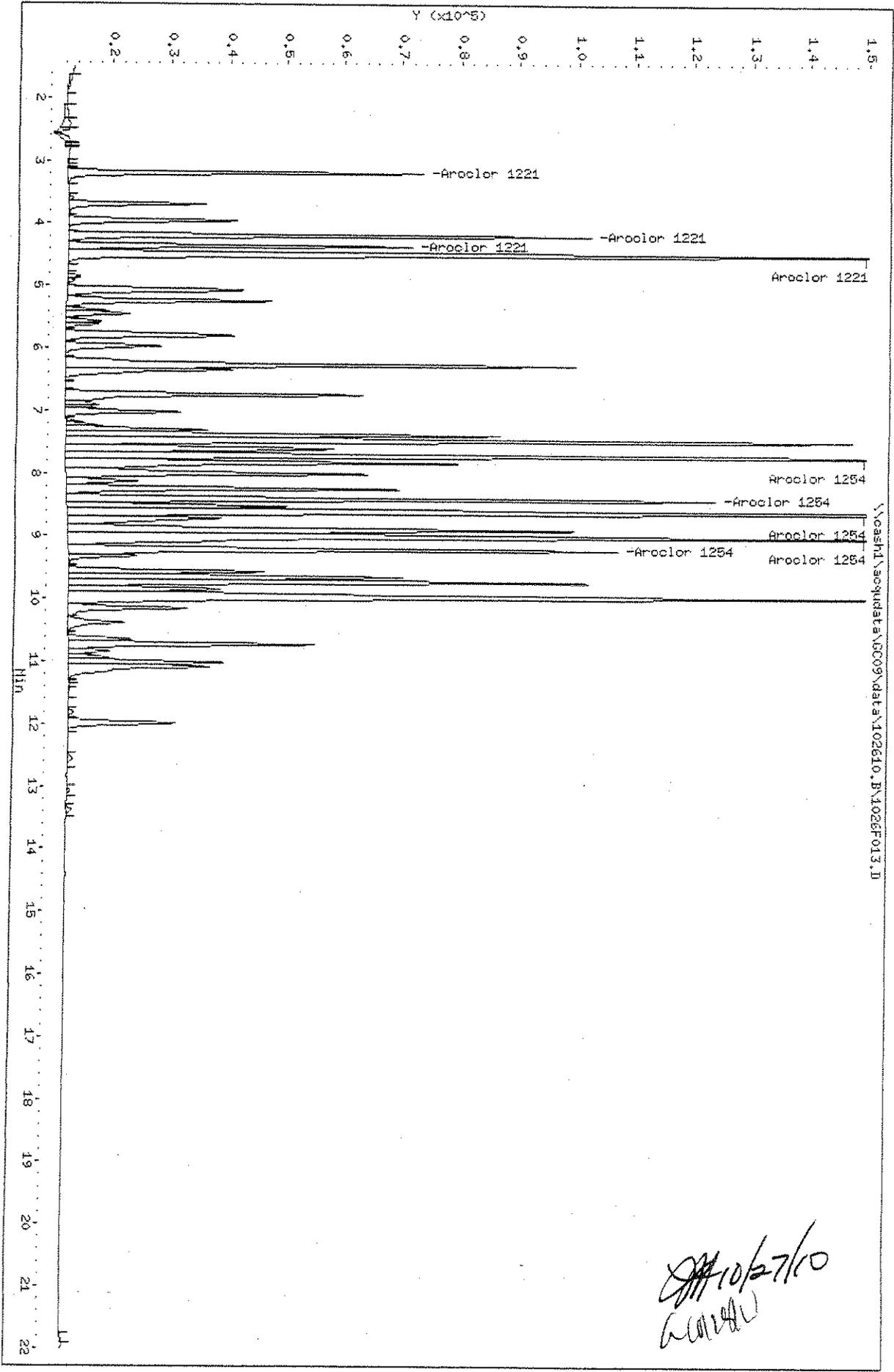
Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610 f.m
 Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026T0_r.m
 Sub List #1 : 1221+1254.sub
 Sub List #2 : 1221+1254.sub
 Col #1 Phase : DB-35MS
 Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1221	3.187	3.410	190245	198042	3160	3170	80.00- 120.00	100.00
	4.187	4.180	280923	113750	3400	3160	100.52- 150.78	147.66
	4.357	4.690	184274	194053	3410	3440	64.35- 96.52	96.86
	4.480	4.820	593415	611953	3230	3260	239.06- 358.59	311.92
	Average of Peak Amounts =				3300	3260		
Aroclor 1254	7.703	8.323	543045	635830	1570	1640	80.00- 120.00	100.00
	8.403	8.883	404927	355404	1700	1860	53.50- 80.26	74.57
	8.600	9.067	788175	657697	1620	1780	111.76- 167.65	145.14
	8.997	9.660	671738	513084	1580	1690	97.53- 146.29	123.70
	9.210	10.503	353426	637392	1640	1980	49.15- 73.73	65.08
Average of Peak Amounts =				1620	1790			

*Handwritten signature and date: 10/27/10
LHarris*

Data File: \\cashi\acq\data\GC09\data\102610_B\1026F013.D
Date: 27-OCT-2010 04:30
Client ID:
Sample Info: 1221/1254 @ 4000/2000ppb | PCBs-63K
Column Phase: DB-35MS

Instrument: GC09.1
Operator: LHarris
Column diameter: 0.53

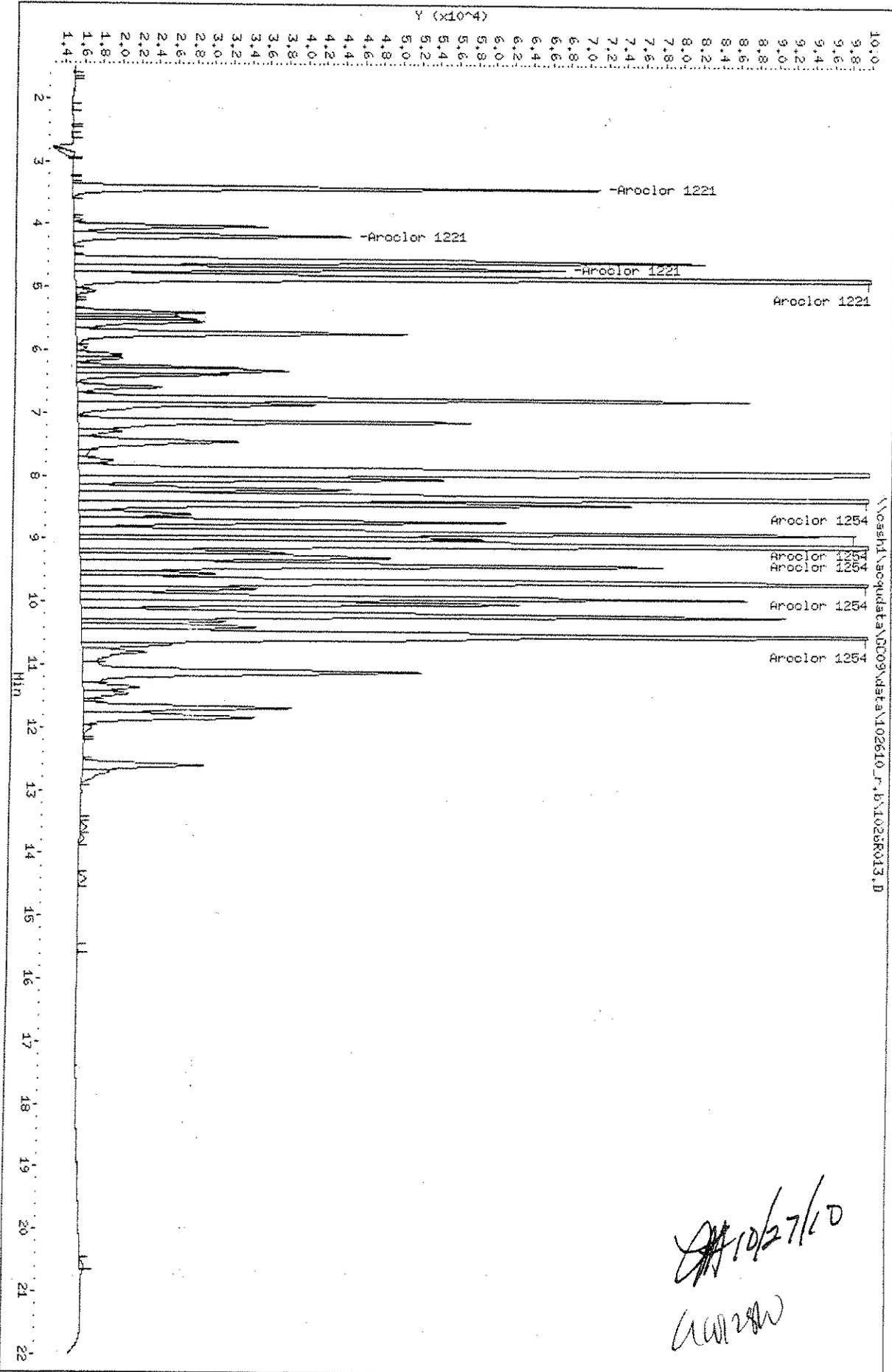


Data File: \\csmh1\acq\data\GC09\data\102610_r.b\1026R013.D
Date : 27-OCT-2010 04:30

Client ID:
Sample Info: 1221/1254 @ 4000/20000ppb | PCB5-63K

Column phase: DB-XLB

Instrument: GC09.1
Operator: L.Harris
Column diameter: 0.53



Handwritten signature and date: 10/27/10
Handwritten initials: L.Harris

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F014.D
 Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R014.D
 Inj Date : 27-OCT-2010 04:57
 Sample Info: 1221/1254 @ 10000/5000ppb | PCB5-63L
 Misc Info :
 Cal Date : 27-OCT-2010 12:32
 Operator : LHarris
 Inst ID : GC09.i
 Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610_f.m
 Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
 Sub List #1 : 1221+1254.sub
 Sub List #2 : 1221+1254.sub
 Col #1 Phase : DB-35MS
 Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1221	3.183	3.410	396220	419578	6580	6720	80.00- 120.00	100.00 (A)
	4.183	4.180	593638	237536	7190	6600	100.52- 150.78	149.83 (A)
	4.357	4.690	382008	411596	7070	7310	64.35- 96.52	96.41 (A)
	4.480	4.830	1225443	1282313	6670	6830	239.06- 358.59	309.28 (A)
	Average of Peak Amounts =				6880	6860		
Aroclor 1254	7.703	8.323	1174517	1386731	3400	3570	80.00- 120.00	100.00
	8.403	8.883	908394	792602	3770	4160	53.50- 80.26	76.66
	8.600	9.067	1742351	1463501	3590	3960	111.76- 167.65	148.35
	8.997	9.660	1476896	1122816	3470	3710	97.53- 146.29	125.74
	9.210	10.503	776911	1430508	3600	4440	49.15- 73.73	66.15
Average of Peak Amounts =				3570	3970			

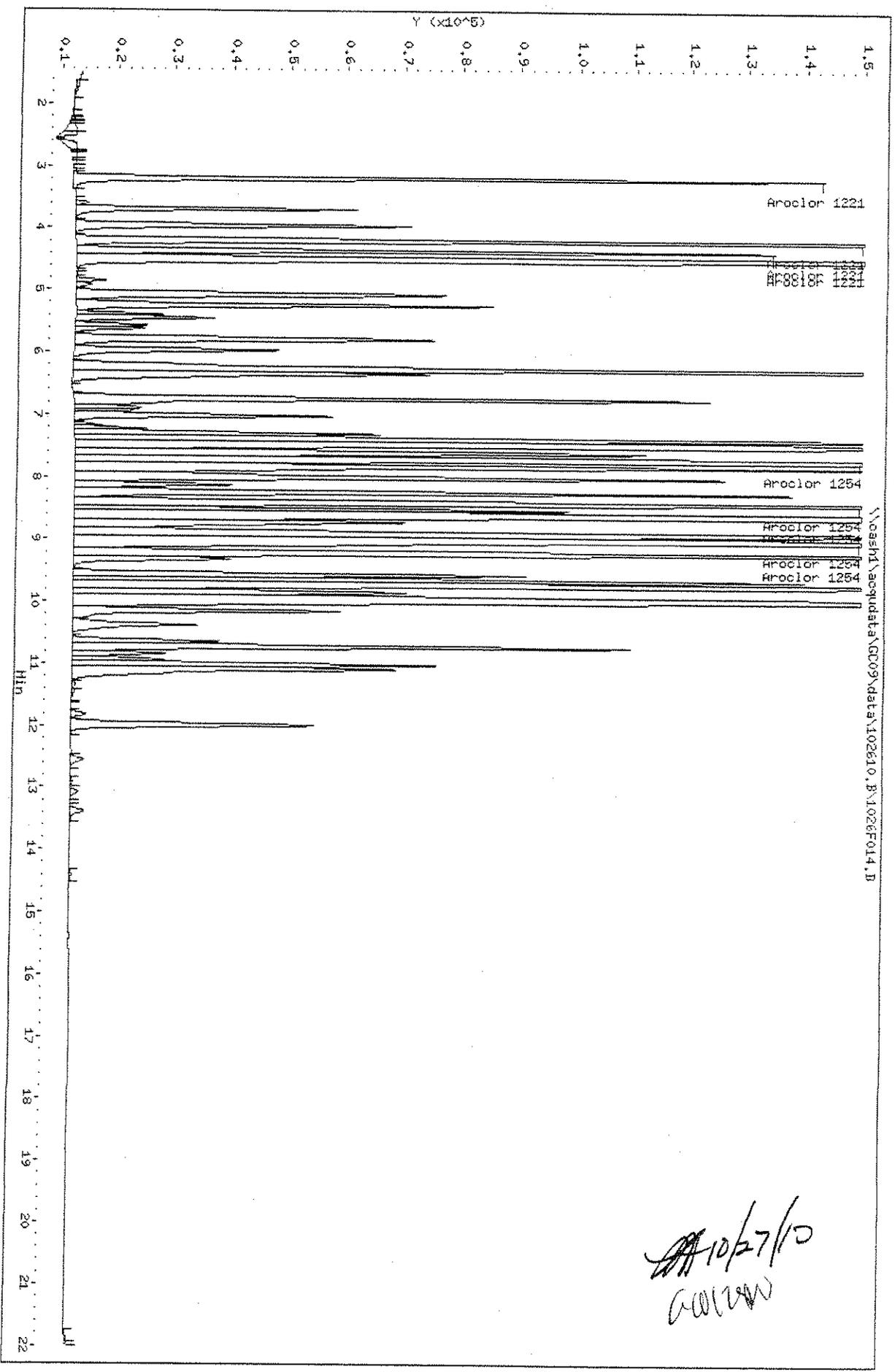
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Handwritten signature and date:
 10/27/10
 [Signature]

Data File: \nosshd\acq\data\GC09\data\102610.B\1026F014.D
 Date: 27-OCT-2010 04:57
 Client ID:
 Sample Info: 1221/1254 @ 10000/5000ppb | PCB5-63L
 Column phase: DB-35MS

Instrument: GC09.1
 Operator: LHarris
 Column diameter: 0.53

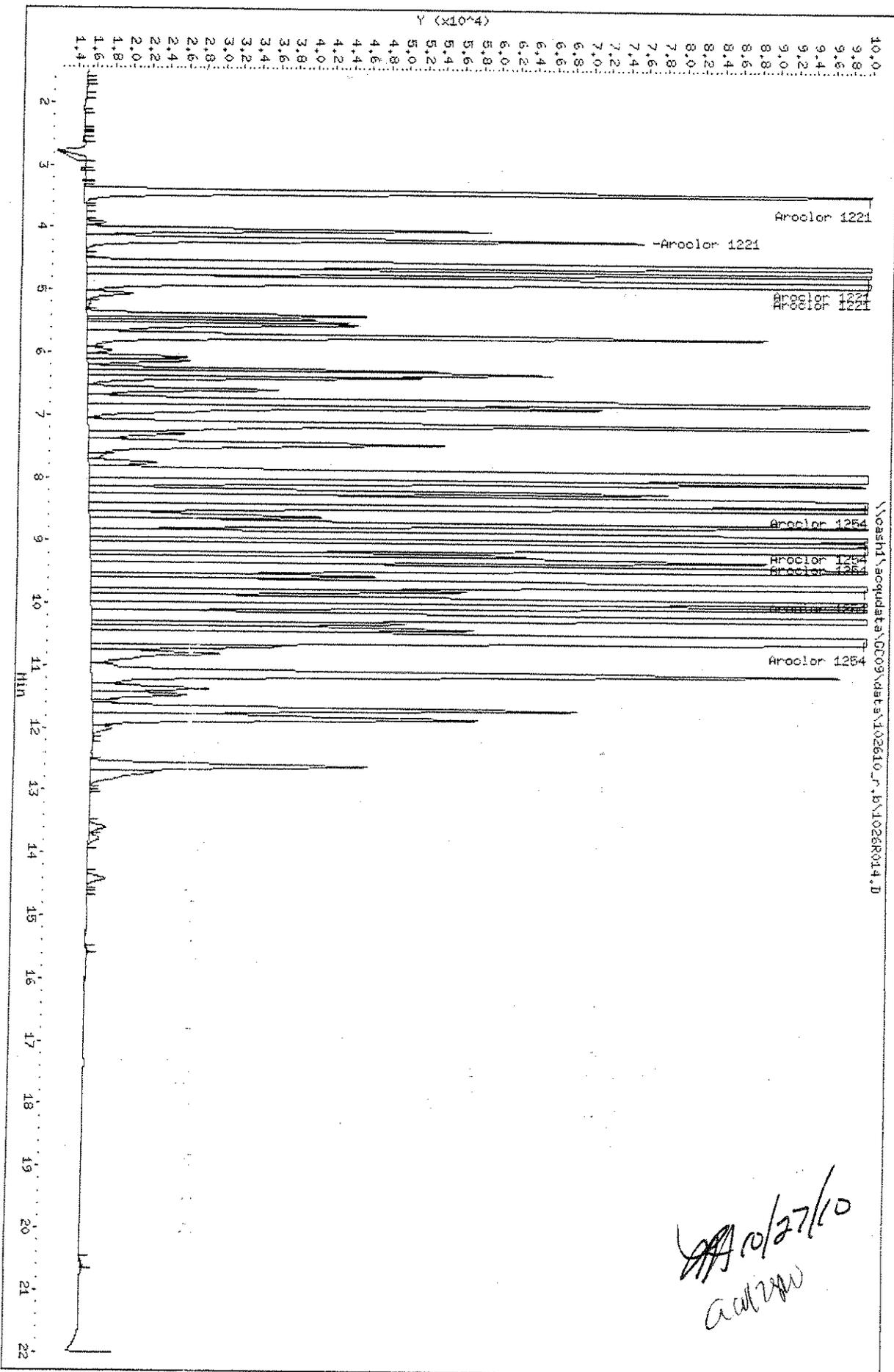


Data File: \\nasht1\acq\data\GC09\data\102610_r.b\1026R014.D
Date: 27-OCT-2010 04:57

Client ID:
Sample Info: 1221/1254 @ 10000/50000ppm | PCBs-E3L

Column phase: DB-XLB

Instrument: GC09.1
Operator: LHarris
Column diameter: 0.53



Data File: \\cash1\acqdata\GC09\data\102610.B\1026F015.D
 Report Date: 27-Oct-2010 14:48

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F015.D
 Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R015.D
 Inj Date : 27-OCT-2010 05:23
 Sample Info: 1232/1262 @ 25ppb | PCB5-63M
 Misc Info :
 Cal Date : 27-OCT-2010 11:11
 Operator : LHarris
 Inst ID : GC09.i
 Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610_f.m
 Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
 Sub List #1 : 1232+1262.sub
 Sub List #2 : 1232+1262.sub
 Col #1 Phase : DB-35MS
 Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1232	4.480	4.830	5810	5453	36.5	33.7	80.00- 120.00	100.00 (M)
	5.057	5.450	4907	1198	33.2	20.0	69.89- 104.84	84.45 (M)
	5.797	5.730	8933	3135	34.0	29.4	126.75- 190.12	153.74 (M)
	5.967	6.277	3623	3342	31.4	38.3	54.28- 81.42	62.35 (M)
	Average of Peak Amounts =				33.8	30.4		
Aroclor 1262	10.037	10.510	12149	5730	29.5	27.2	80.00- 120.00	100.00 (M)
	10.640	10.683	9652	9976	31.2	30.5	60.84- 91.26	79.44 (M)
	11.087	11.840	17377	16822	29.6	30.4	112.15- 168.23	143.03 (M)
	11.820	12.610	7567	12378	29.2	29.9	50.32- 75.47	62.28 (M)
	11.983	12.807	13905	9043	30.0	29.4	88.90- 133.35	114.45 (M)
	Average of Peak Amounts =				29.9	29.5		

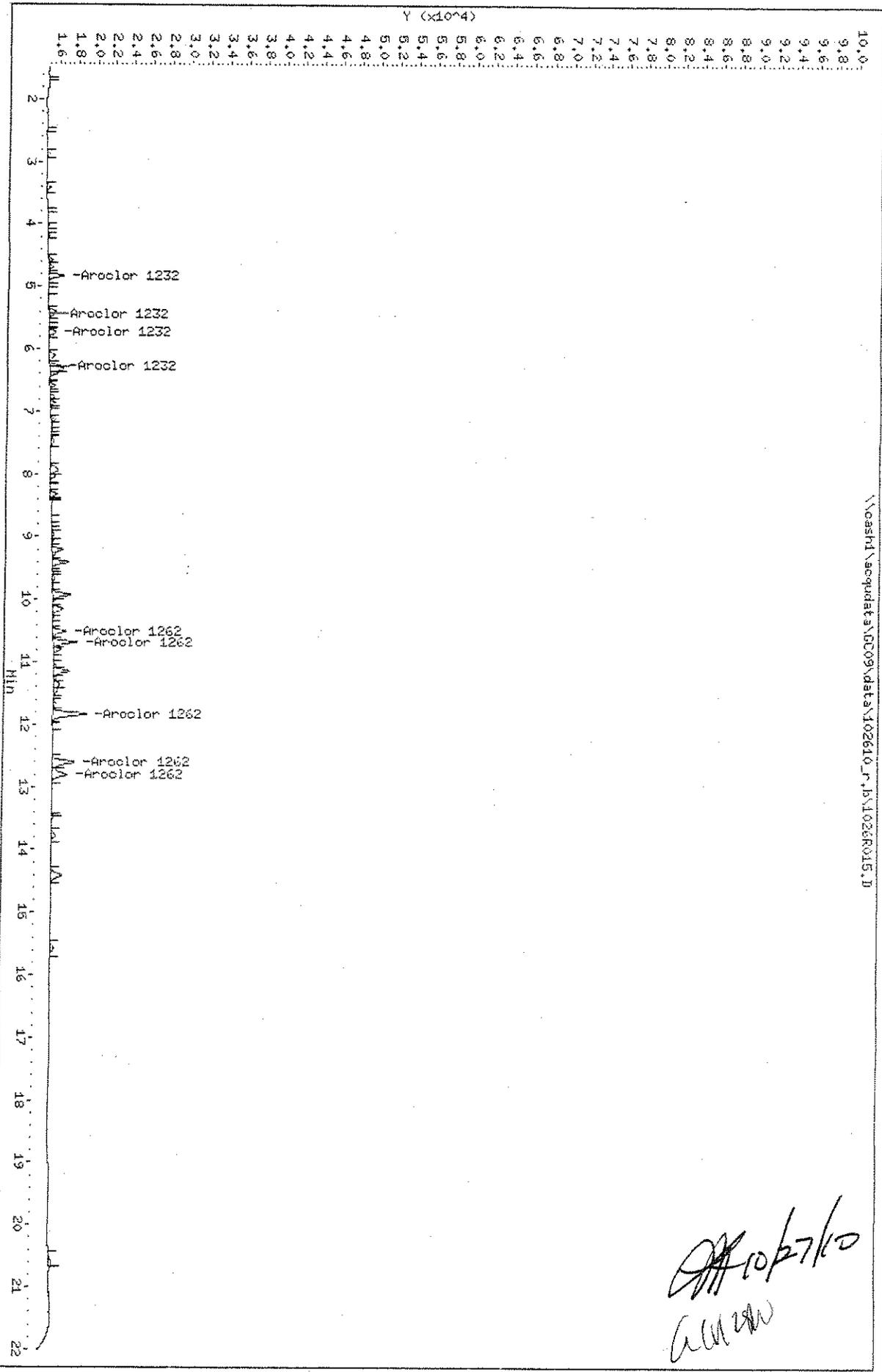
QC Flag Legend

M - Compound response manually integrated.

Handwritten signature:
 10/27/10
 ACW/28W

Data File: \\voashf\acq\data\GC09\data\102610_r.jb\1026R015.D
Date: 27-OCT-2010 05:23
Client ID:
Sample Info: 1232/1262 @ 25ppb | PCB5-63H
Column Phase: DB-XLB

Instrument: GC09.1
Operator: LHarris
Column diameter: 0.53



Data File: \\noash1\acq\data\GC09\data\102610.B\1026F015.D

Date: 27-OCT-2010 05:23

Client ID:

Sample Info: 1232/1262 @ 25ppb | PCB5-63H

Column phase: DB-35HS

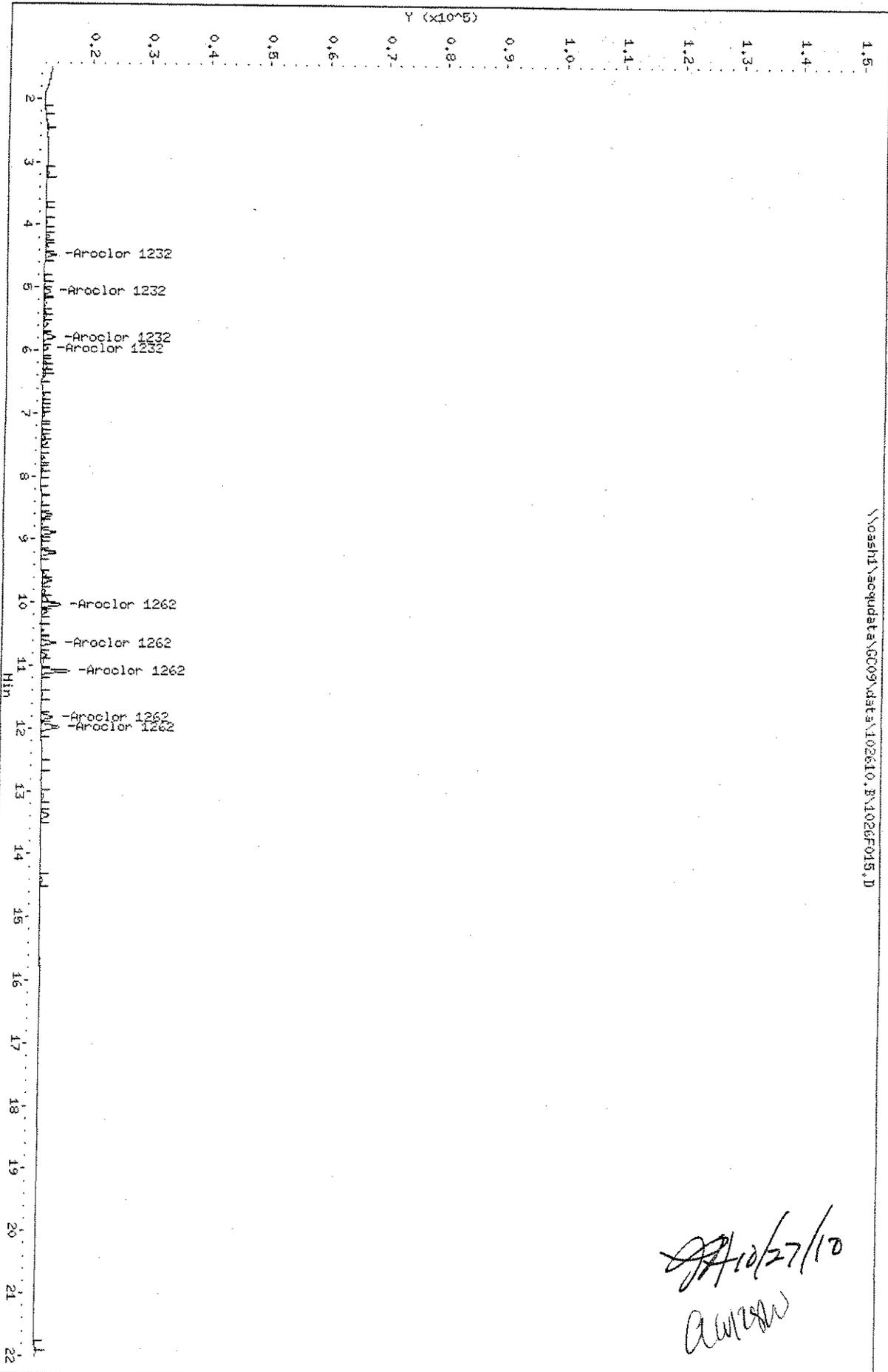
Instrument: GC09.1

Operator: LHarris

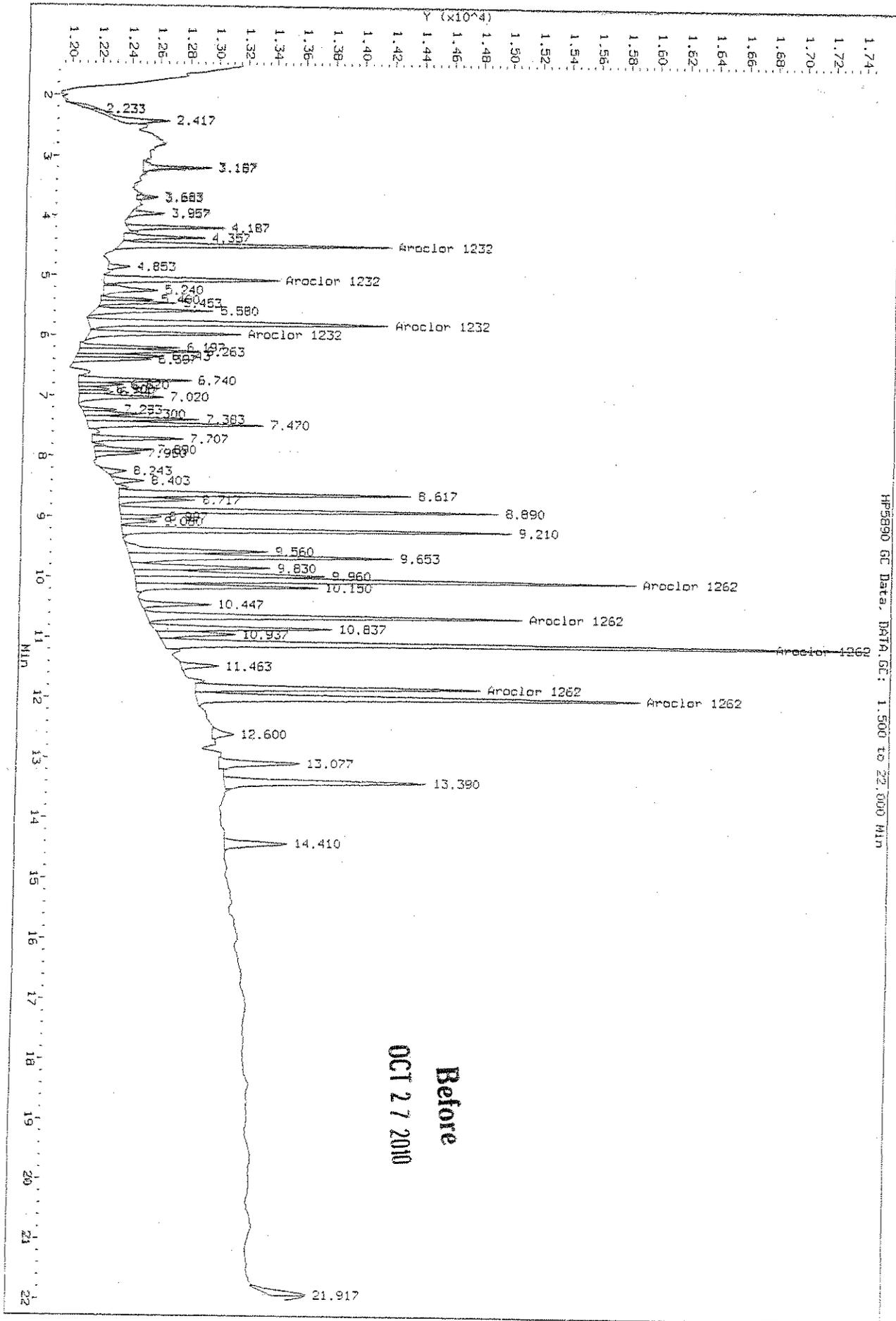
Column diameter: 0.53

\\noash1\acq\data\GC09\data\102610.B\1026F015.D

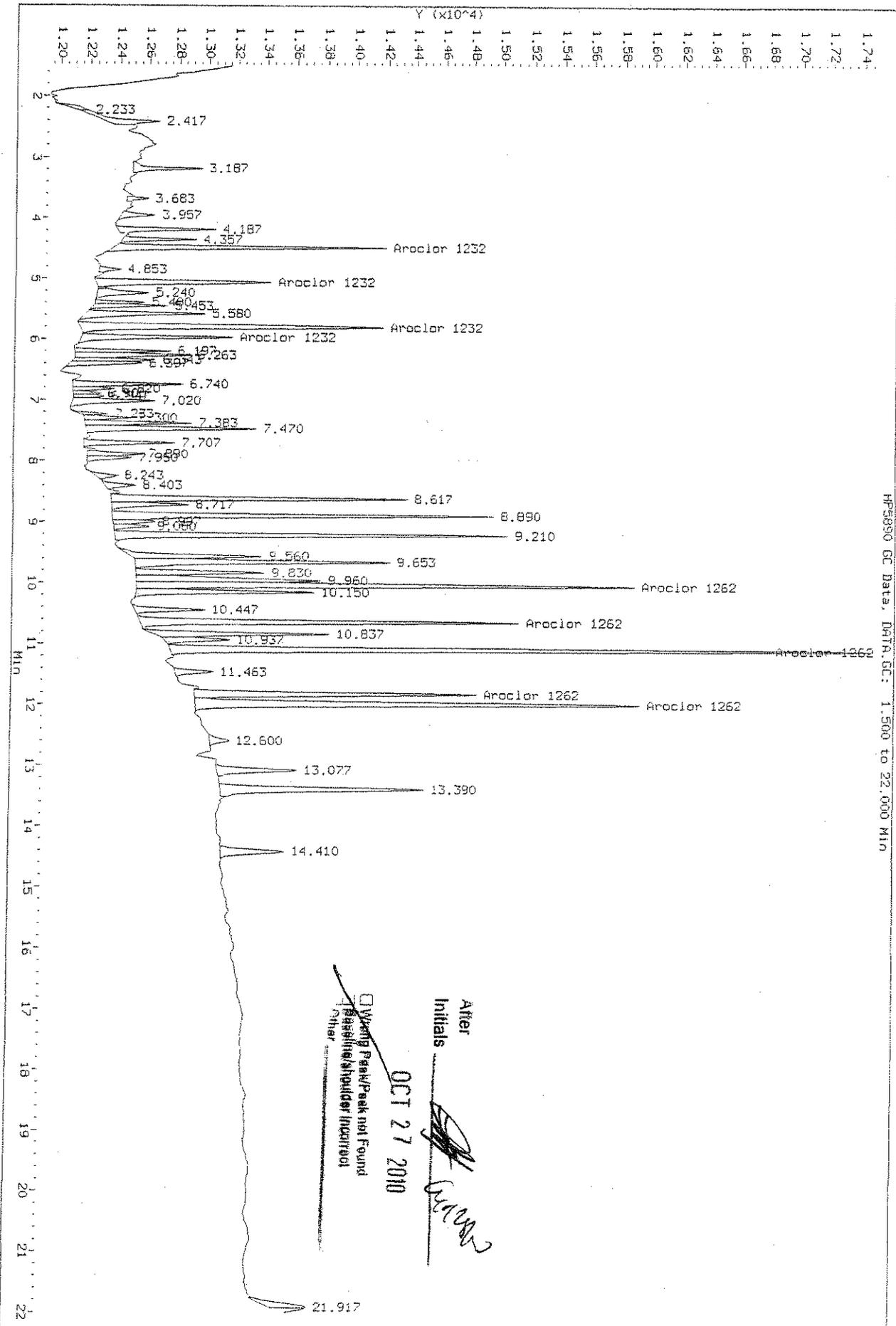
Handwritten signature and date: 10/27/10



Data File: \\cashi\seque\data\609\data\102610.B\10261015.D
 Injection Date: 27-OCT-2010 05:23
 Instrument: 6009.1
 Client Sample ID:



Data File: \\casha1\acq\data\GC09\data\102610.B\10261015.D
 Injection Date: 27-OCT-2010 09:23
 Instrument: GC09.i
 Client Sample ID:

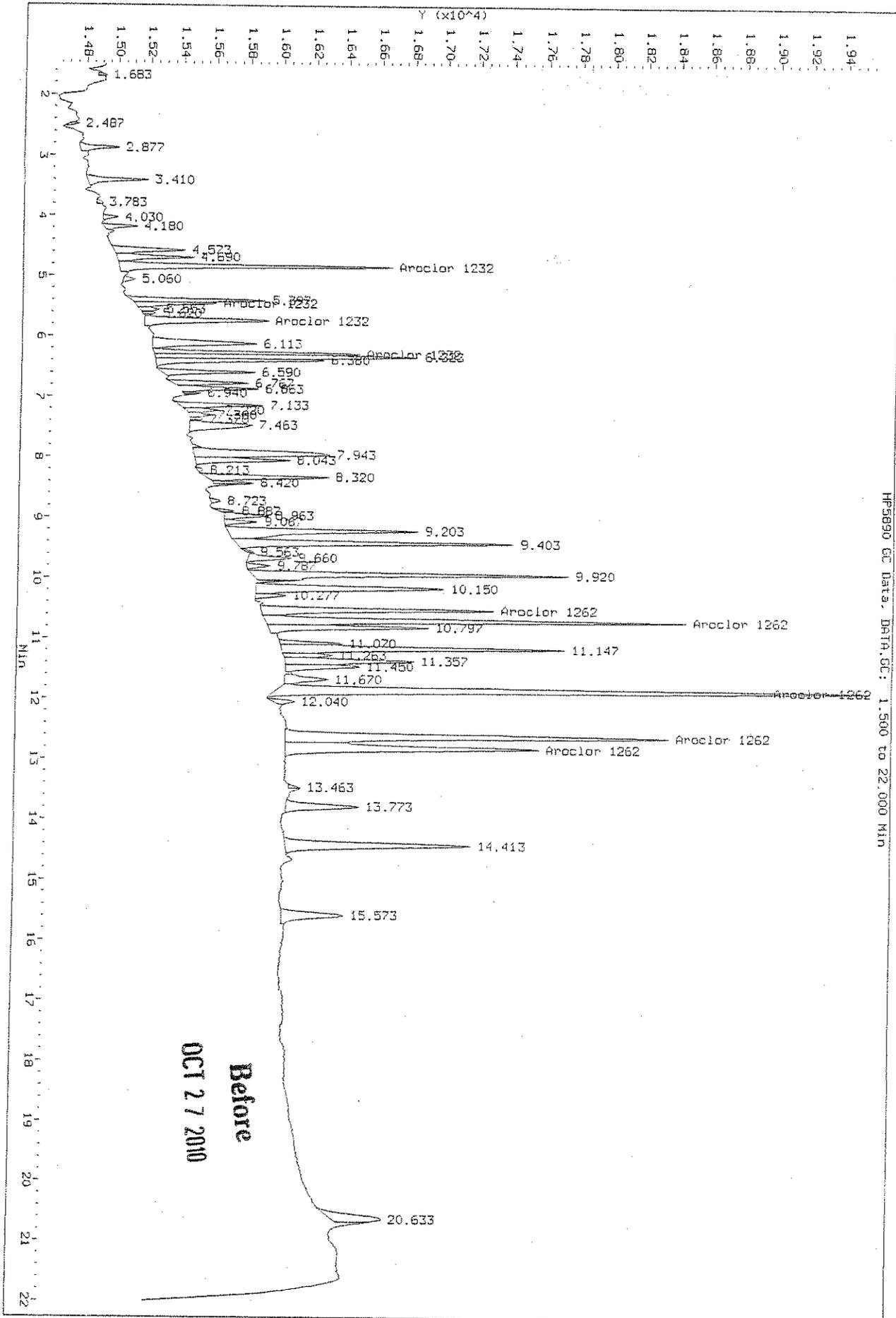


HF5890 GC Data, DATA.GC: 1.500 to 22.000 Min

Alter Initials
 Waxy Peak/Peak not Found
 Baseline/Shoulder Incorrect
 Other
 OCT 27 2010

Data File: \\ceshi\acq\data\GC09\data\102610.r.b\1026R015.D
 Injection Date: 27-OCT-2010 05:23
 Instrument: GC09.1
 Client Sample ID:

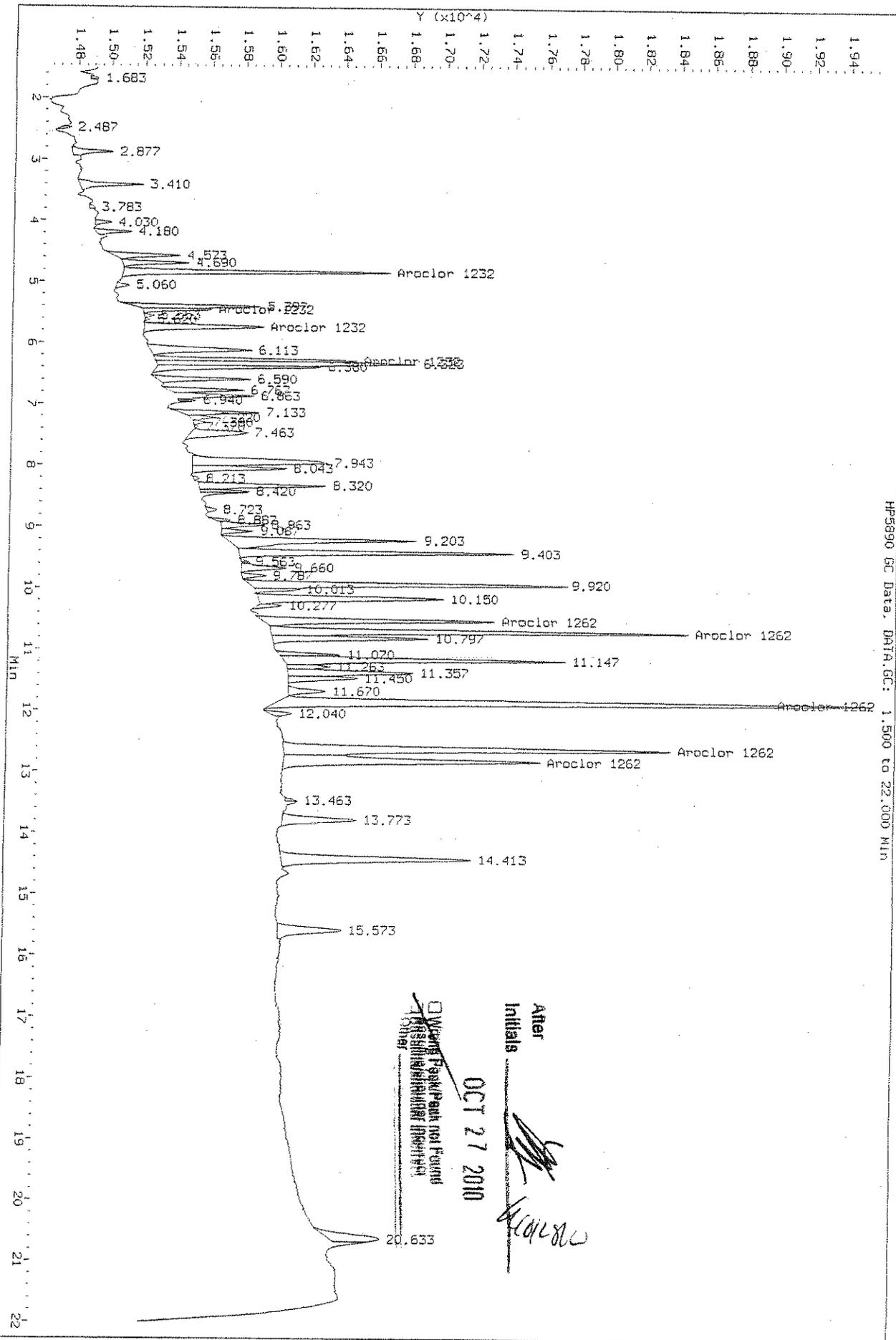
HF9890 GC Data, DATA.C: 1.500 to 22.000 Min



Before
OCT 27 2010

Data File: \\vesht\arcdata\GC09\data\102610_r_b\1026R015.D
 Injection Date: 27-OCT-2010 05:23
 Instrument: GC09.1
 Client Sample ID:

HP5890 GC Data, DATA.GC: 1.500 to 22.000 MIN



After Initials
 Missing Peak/Peak not Found
 Peak/Retention Time
 OCT 27 2010
 [Signature]

Data File: \\cash1\acqdata\GC09\data\102610.B\1026F016.D
 Report Date: 27-Oct-2010 14:48

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F016.D
 Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R016.D
 Inj Date : 27-OCT-2010 05:50
 Sample Info: 1232/1262 @ 50ppb | PCB5-63N
 Misc Info :
 Cal Date : 27-OCT-2010 11:11
 Operator : LHarris
 Inst ID : GC09.i
 Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610_f.m
 Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
 Sub List #1 : 1232+1262.sub
 Sub List #2 : 1232+1262.sub
 Col #1 Phase : DB-35MS
 Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1232	4.480	4.830	11586	11408	72.8	70.5	80.00- 120.00	100.00 (M)
	5.057	5.450	10122	3042	58.5	50.9	69.89- 104.84	87.37 (M)
	5.797	5.730	18356	6297	70.0	59.0	126.75- 190.12	156.43 (M)
	5.963	6.273	7861	6195	68.2	71.0	54.28- 81.42	67.85 (M)
	Average of Peak Amounts =				69.9	62.8		
Aroclor 1262	10.033	10.510	24902	11697	60.7	55.7	80.00- 120.00	100.00 (M)
	10.640	10.683	18939	20025	61.3	61.4	60.84- 91.26	76.05 (M)
	11.087	11.840	34910	32215	59.7	58.5	112.15- 168.23	140.19 (M)
	11.820	12.610	15662	24605	60.8	59.5	50.32- 75.47	62.09 (M)
	11.983	12.807	27672	17893	60.0	58.3	88.90- 133.35	111.12 (M)
	Average of Peak Amounts =				60.5	58.7		

QC Flag Legend

M - Compound response manually integrated.

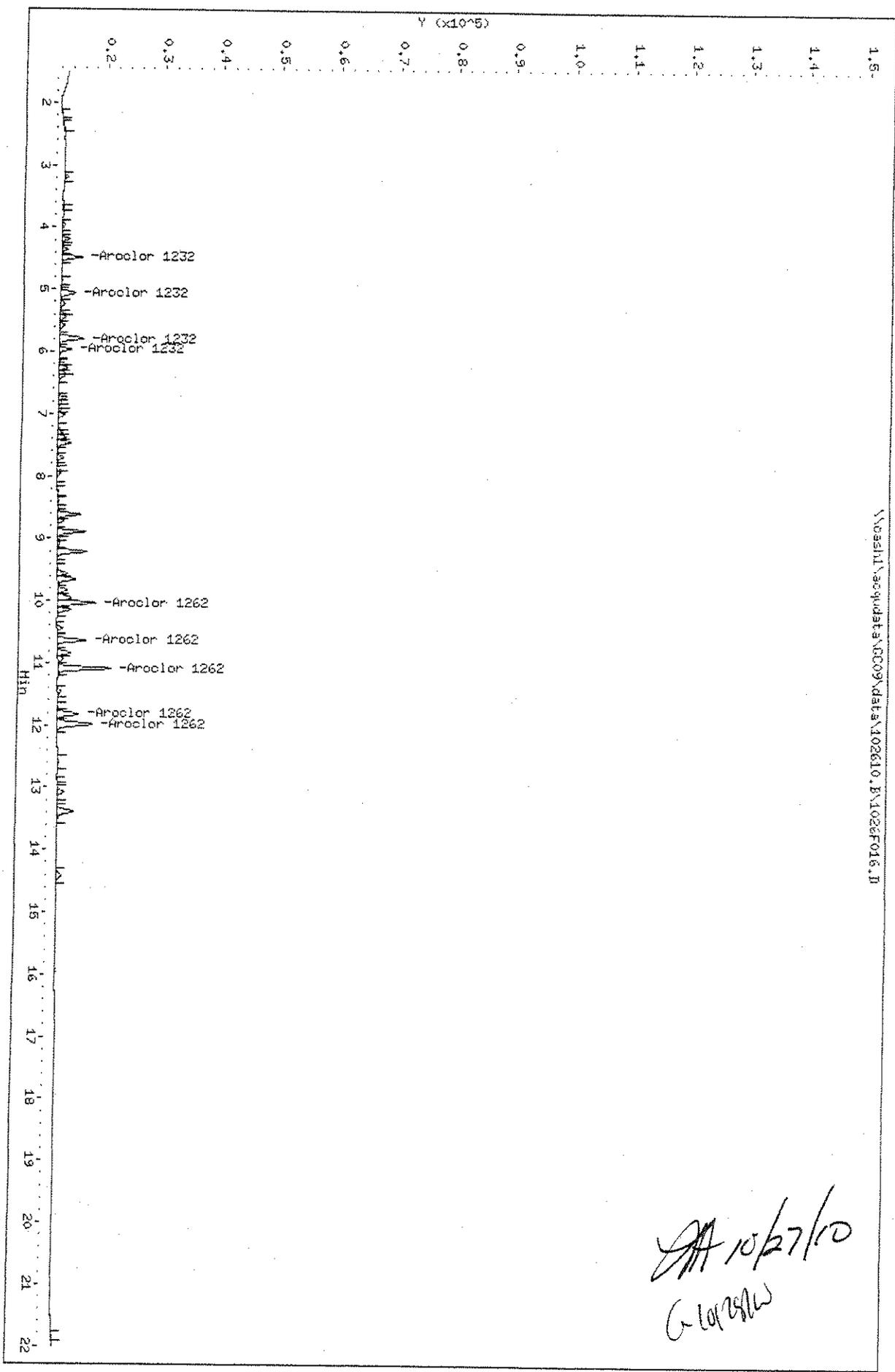
Handwritten signature and date:
 10/27/10
 [Signature]

Data File: \\nossh1\acq\data\GC09\data\102610_B\1026F016.D
Date: 27-OCT-2010 05:50
Client ID:
Sample Info: 1232/1262 @ 50ppb | PCB5-63N
Column phase: DB-35MS

Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53

\\nossh1\acq\data\GC09\data\102610_B\1026F016.D

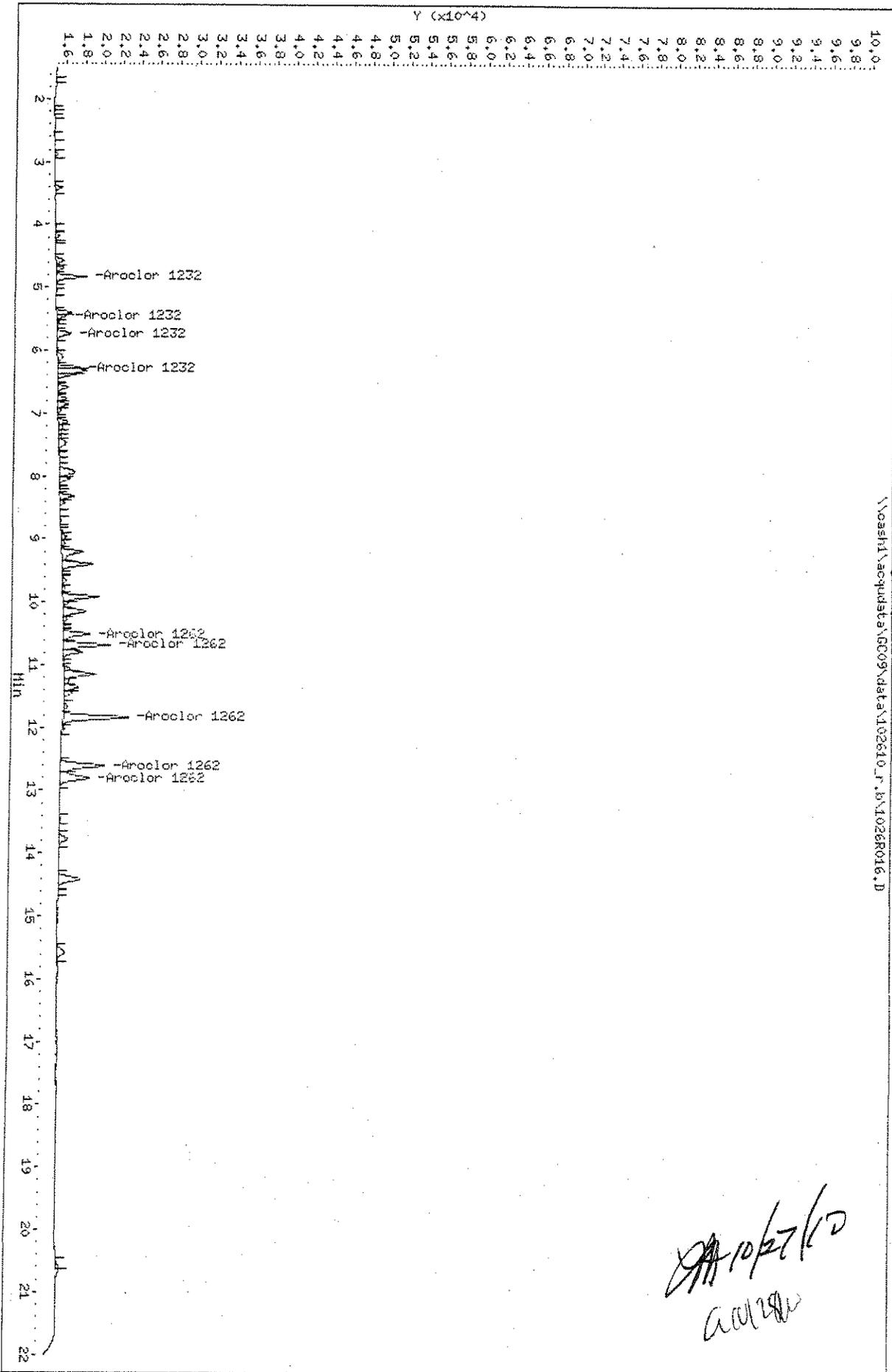
SA 10/27/10
GC09BHW



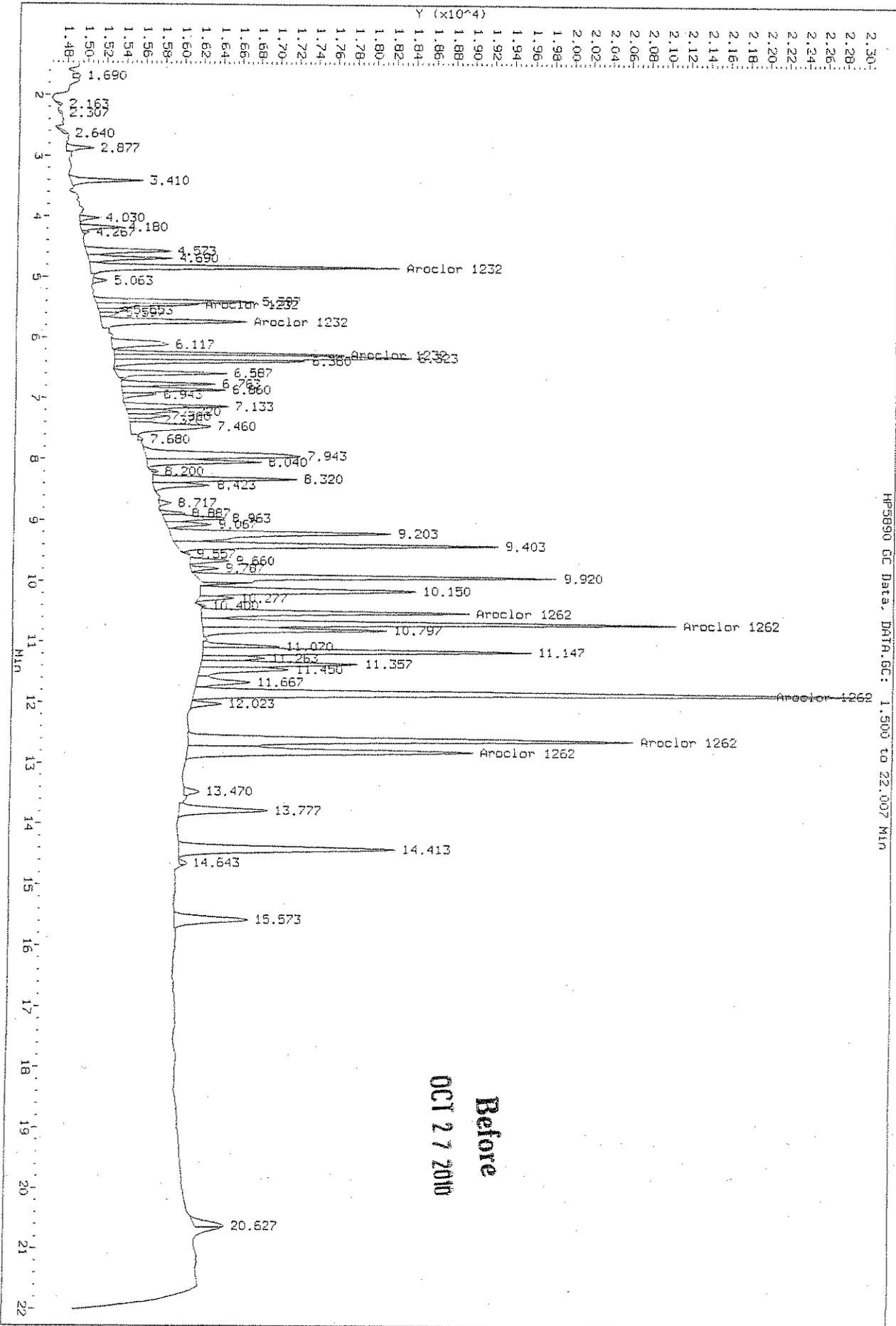
Data File: \\voasht\acq\data\GC09\data\102610_r.p\1026R016.D
Date: 27-OCT-2010 05:50
Client ID:
Sample Info: 1232/1262 @ 50ppb | PCB5-63H
Column phase: DB-XLB

Instrument: GC09.1
Operator: LHarris
Column diameter: 0.53

\\voasht\acq\data\GC09\data\102610_r.p\1026R016.D



Data File: \\eash1\acq\data\GC09\data\102610_r_b\1026R016.D
 Injection Date: 27-Oct-2010 05:50
 Instrument: GC09.1
 Client Sample ID:

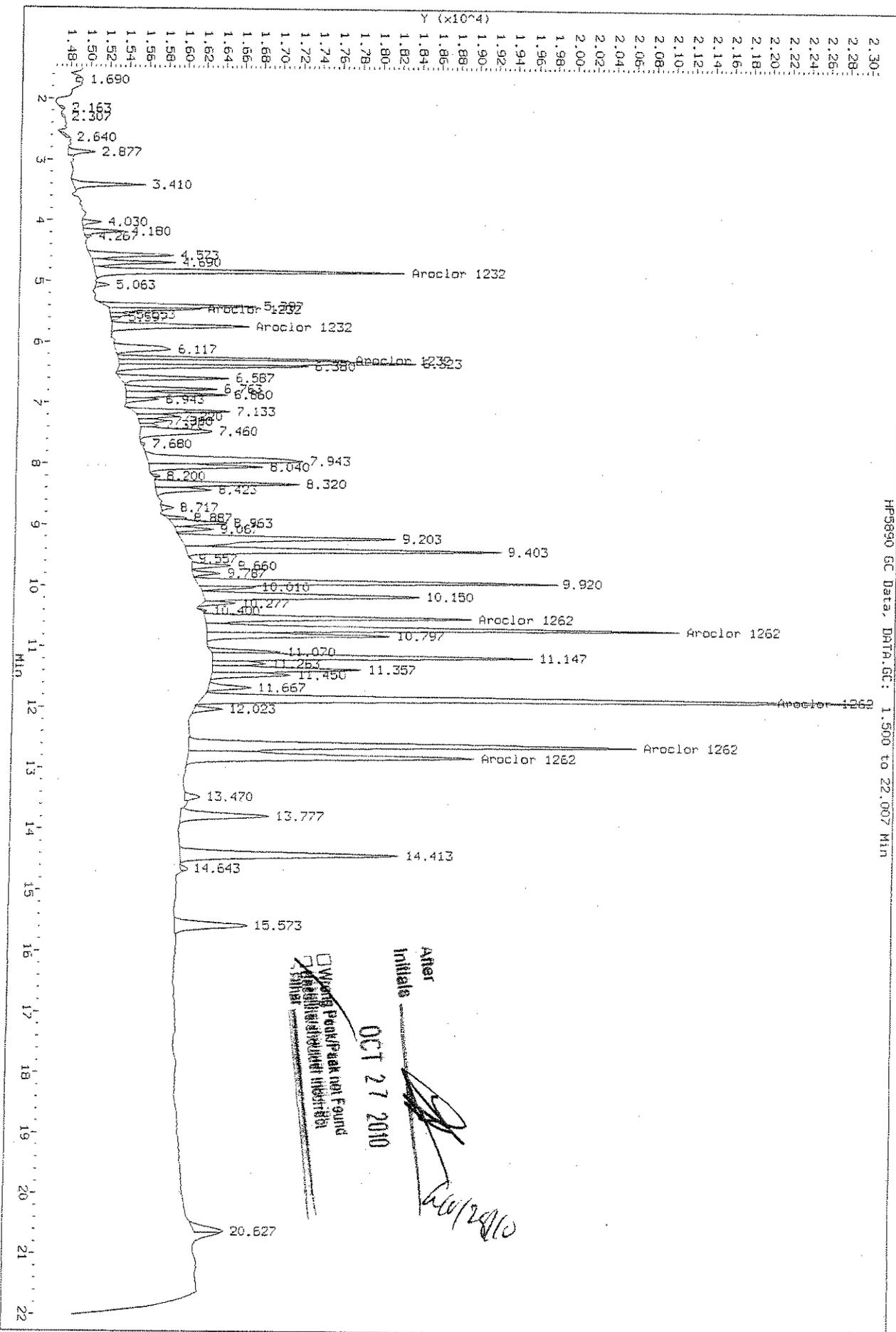


HP5890 GC Data, DATA.GC: 1.500 to 22.007 Min

Before
 OCT 27 2010

Data File: \\cash1\acq\data\6009\data\102610.r.b\1026R016.D
 Injection date: 27-OCT-2010 05:50
 Instrument: GC09.1
 Client Sample ID:

HP5890 GC Data, Data.GC: 1.500 to 22.007 Min



After Initials _____
 Wrong Peak/Peak not Found
 Peak Identified
 Initials _____
 OCT 27 2010
 [Signature]

Data File: \\cash1\acqdata\GC09\data\102610.B\1026F017.D
Report Date: 27-Oct-2010 14:48

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F017.D
Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R017.D
Inj Date : 27-OCT-2010 06:16
Sample Info: 1232/1262 @ 500ppb | PCB5-630
Misc Info :
Cal Date : 27-OCT-2010 11:11
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : 1232+1262.sub
Sub List #2 : 1232+1262.sub
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1232	4.480	4.630	90850	90815	571	561	80.00- 120.00	100.00
	5.057	5.450	82248	28973	557	485	69.89- 104.84	90.53
	5.793	5.730	147097	55982	561	524	126.75- 190.12	161.91
	5.963	6.277	64664	47492	561	544	54.28- 81.42	71.18
	Average of Peak Amounts =					562	528	
Aroclor 1262	10.033	10.510	197689	111285	475	522	80.00- 120.00	100.00 (M)
	10.637	10.683	155292	166433	502	504	60.84- 91.26	78.55 (M)
	11.087	11.840	295508	279351	503	503	112.15- 168.23	149.48 (M)
	11.820	12.610	132439	212700	511	513	50.32- 75.47	66.99 (M)
	11.963	12.810	234533	157482	506	512	88.90- 133.35	118.64 (M)
Average of Peak Amounts =					499	511		

QC Flag Legend

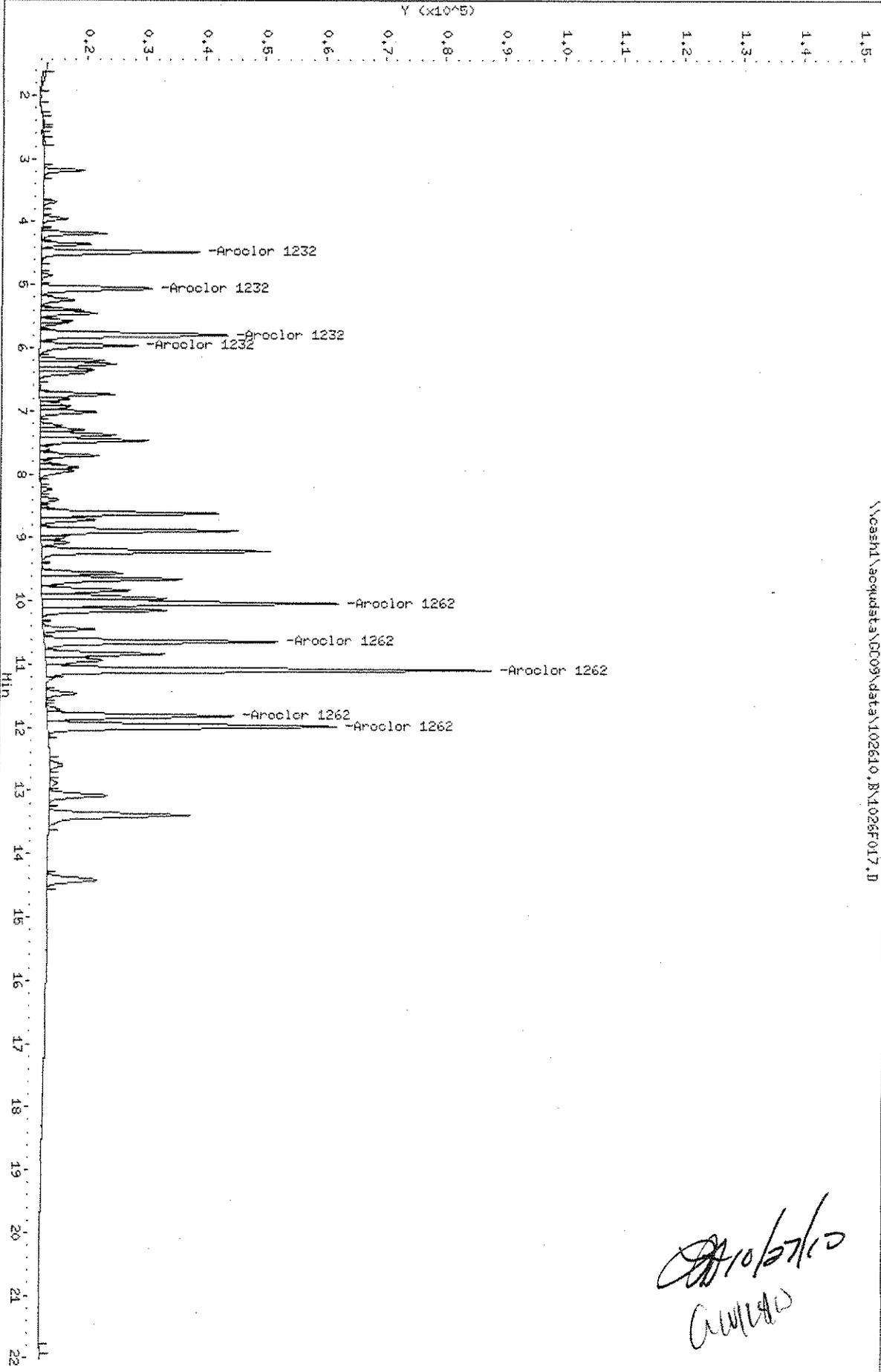
M - Compound response manually integrated.

Handwritten signature and date: 10/27/10
Handwritten signature: C. Williams

Data File: \\casha1\acq\data\GC09\data\102610_B\1026F017.D
Date : 27-OCT-2010 06:16
Client ID:
Sample Info: 1232/1262 @ 500ppb | PCBs-630
Column phase: DB-35MS

Instrument: GC09.1
Operator: LHarris
Column diameter: 0.53

\\casha1\acq\data\GC09\data\102610_B\1026F017.D

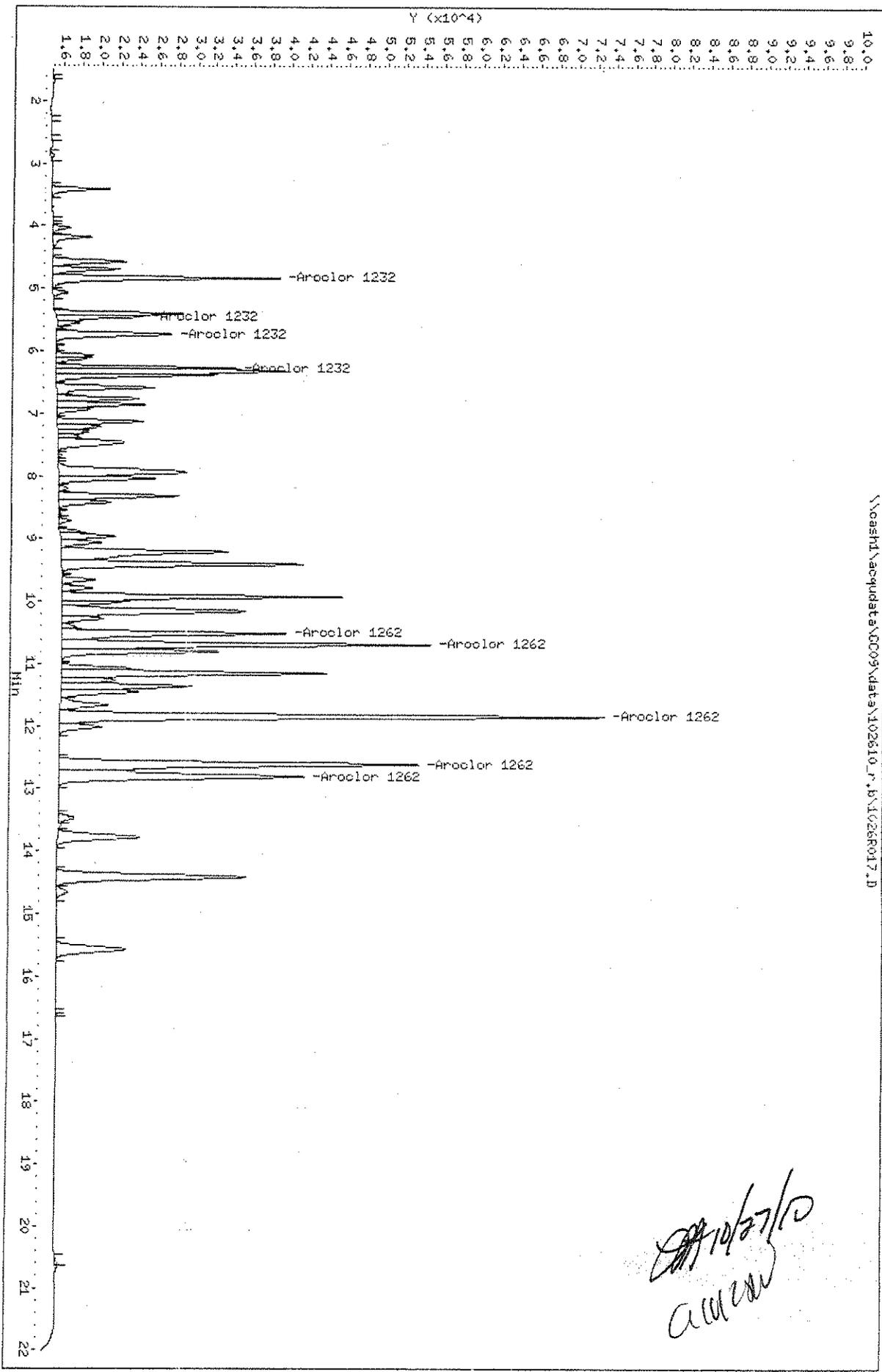


Handwritten signature:
10/27/10
LHARRIS

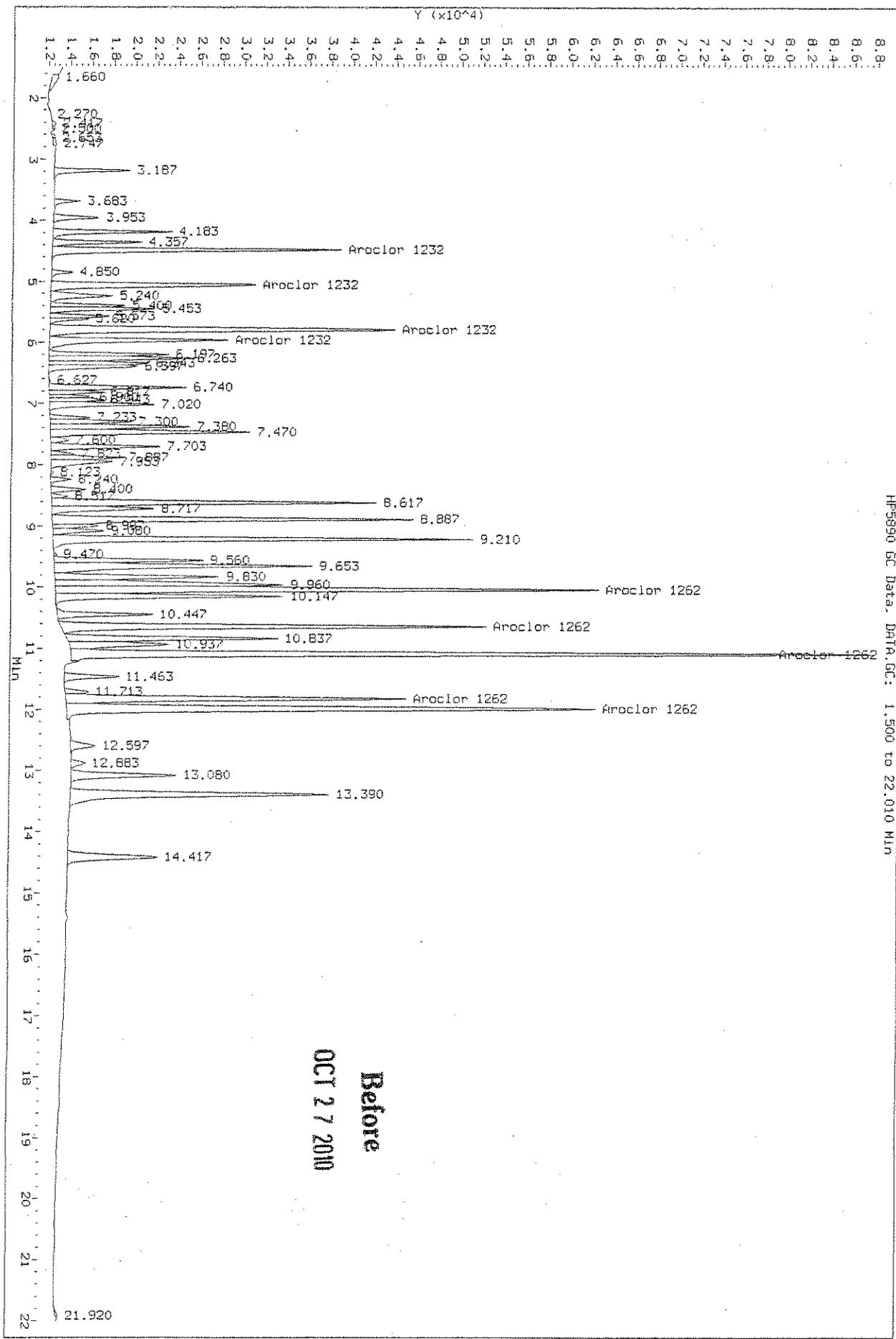
Data File: \\nasht\acq\data\GC09\data\102610_r.b\1026R017.D
 Date: 27-OCT-2010 06:16
 Client ID:
 Sample Info: 1232/1262 @ 500ppb | PCES-630
 Column phase: DB-XLB

Instrument: GC09.1
 Operator: LHarris
 Column diameter: 0.53

\\nasht\acq\data\GC09\data\102610_r.b\1026R017.D



Handwritten signature and date: 10/27/10

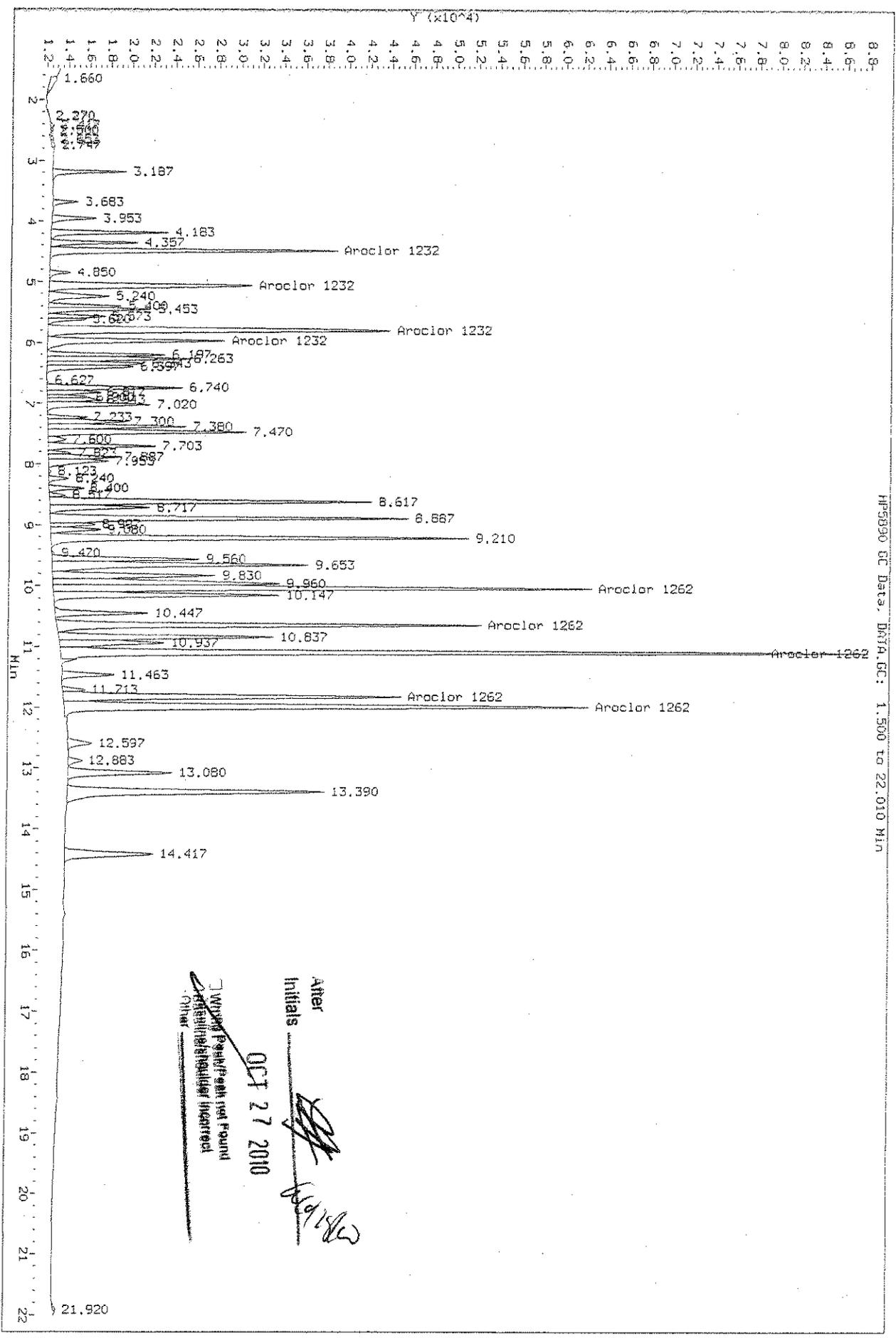


11.500 to 22.010 Min

Before
 OCT 27 2010

Data File: \\nasht1\acq\data\GC09\data\102610.B\10261017.D
 Injection Date: 27-Oct-2010 09:16
 Instrument: GC09.1
 Client Sample ID:

HP5890 GC Data: DM3A.GC: 1.500 to 22.010 Min



After Initials: *[Signature]*
 Working Sample/peak not Found
 Residual/peak/interference
 Other
 OCT 27 2010
[Signature]

Data File: \\cash1\acqdata\GC09\data\102610.B\1026F018.D
 Report Date: 27-Oct-2010 14:48

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F018.D
 Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R018.D
 Inj Date : 27-OCT-2010 06:43
 Sample Info: 1232/1262 @ 1000ppb | PCB5-63P
 Misc Info :
 Cal Date : 27-OCT-2010 11:11
 Operator : LHarris
 Inst ID : GC09.i
 Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610_f.m
 Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
 Sub List #1 : 1232+1262.sub
 Sub List #2 : 1232+1262.sub
 Col #1 Phase : DB-35MS
 Col #2 Phase : DB-XLB

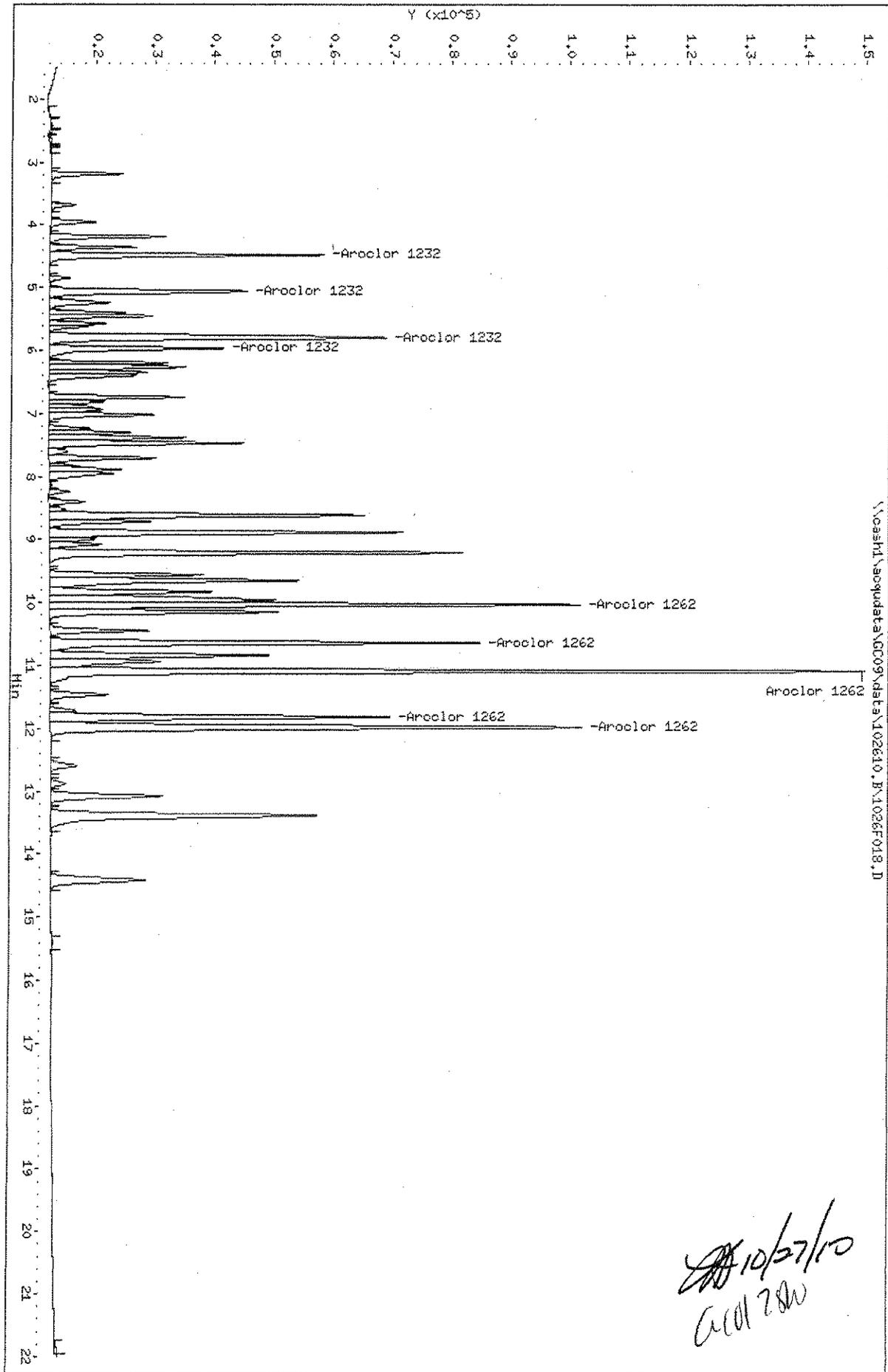
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1232	4.480	4.830	159149	161792	1000	1000	80.00- 120.00	100.00
	5.057	5.450	147672	59784	1000	1000	69.89- 104.84	92.79
	5.793	5.730	262360	106757	1000	1000	126.75- 190.12	164.85
	5.963	6.273	115344	87284	1000	1000	54.28- 81.42	72.48
	Average of Peak Amounts =				1000	1000		
Aroclor 1262	10.033	10.510	358545	209773	845	985	80.00- 120.00	100.00
	10.640	10.683	287350	305391	914	924	60.84- 91.26	80.14
	11.083	11.840	557000	518519	930	934	112.15- 168.23	155.35
	11.820	12.610	246408	389628	929	940	50.32- 75.47	68.72
	11.980	12.810	436550	296146	924	953	88.90- 133.35	121.76
	Average of Peak Amounts =				908	949		

Handwritten signature and date:
 10/27/10
 acm/aw

Data File: \\oashh1\acq\data\GC09\data\102610.P\1026F018.D
Date: 27-OCT-2010 06:43
Client ID:
Sample Info: 1232/1262 @ 1000ppb | PCBs-63P
Column phase: DR-36MS

Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53

\\oashh1\acq\data\GC09\data\102610.P\1026F018.D



Handwritten signature and date:
10/27/10
CCH 280

Data File: \\oasht\acq\data\GC09\data\102610_r_b\1026R018.D

Date: 27-OCT-2010 06:43

Client ID:

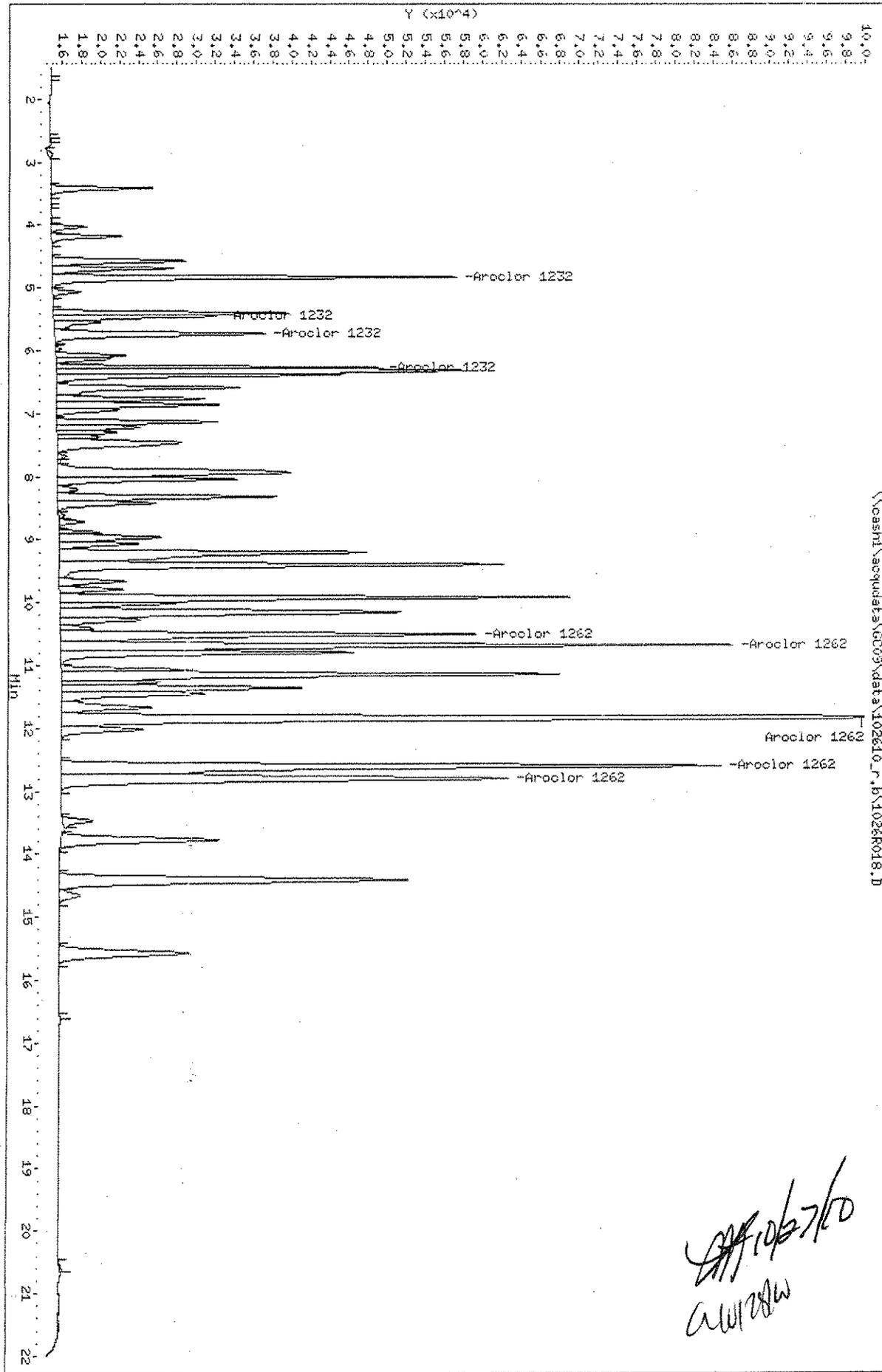
Sample Info: 1232/1262 @ 1000ppb | PCBs-63P

Column phase: DB-XLB

Instrument: GC09.i

Operator: LHarris

Column diameter: 0.53



Data File: \\cash1\acqdata\GC09\data\102610.B\1026F019.D
Report Date: 27-Oct-2010 14:48

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F019.D
Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R019.D
Inj Date : 27-OCT-2010 07:09
Sample Info: 1232/1262 @ 2000ppb | PCB5-63Q
Misc Info :
Cal Date : 27-OCT-2010 11:11
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026T0_r.m
Sub List #1 : 1232+1262.sub
Sub List #2 : 1232+1262.sub
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

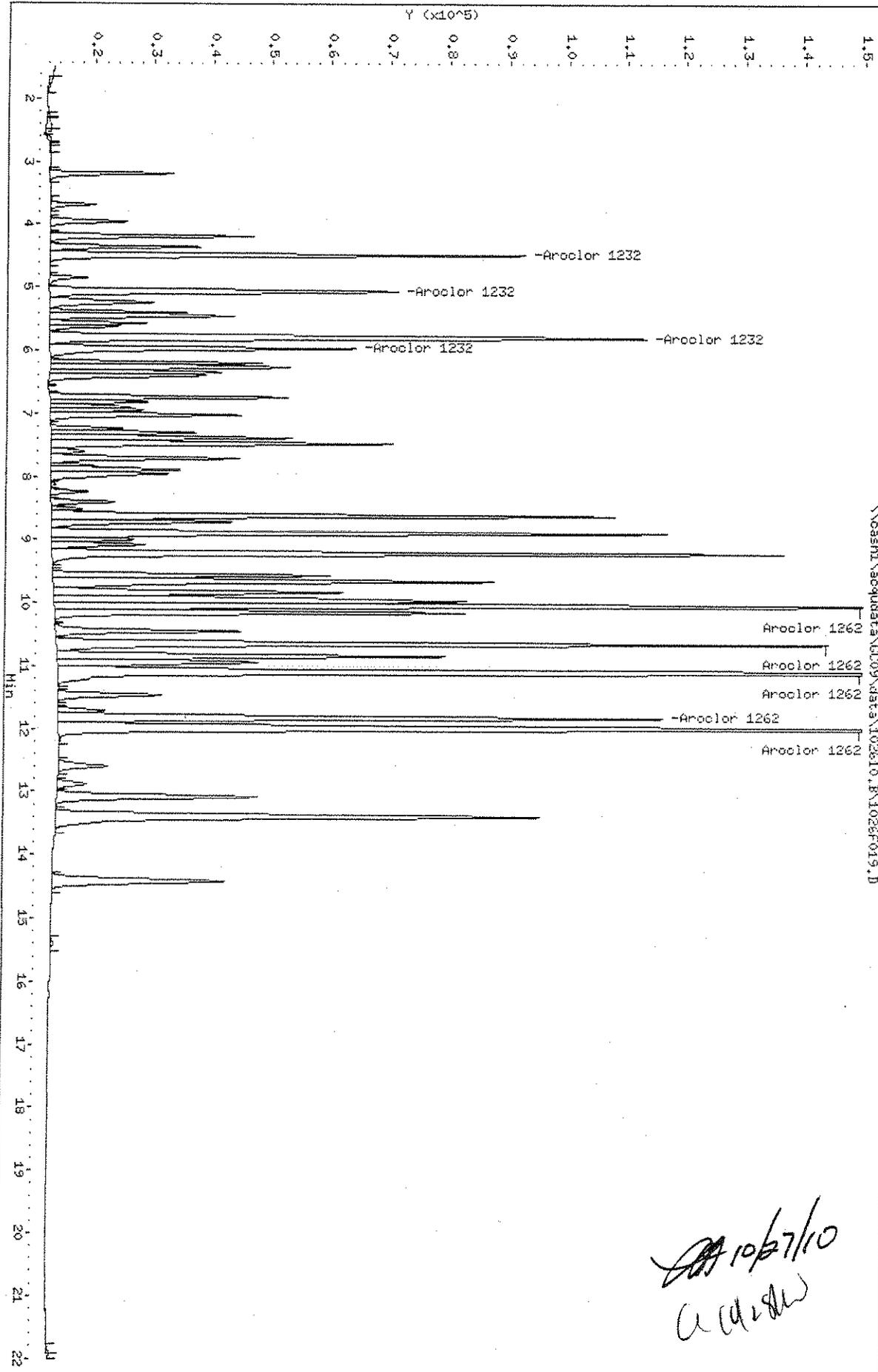
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1232	4.480	4.830	278520	284864	1750	1760	80.00- 120.00	100.00
	5.057	5.450	260844	108250	1770	1810	69.89- 104.84	93.65
	5.793	5.730	466778	191735	1780	1800	126.75- 190.12	167.59
	5.963	6.273	205480	154845	1780	1770	54.28- 81.42	73.78
	Average of Peak Amounts =				1770	1780		
Aroclor 1262	10.033	10.510	627523	381922	1500	1790	80.00- 120.00	100.00
	10.640	10.683	513731	549187	1650	1660	60.84- 91.26	81.87
	11.083	11.840	1010889	948704	1700	1710	112.15- 168.23	161.09
	11.820	12.610	440734	716056	1670	1730	50.32- 75.47	70.23
	11.983	12.807	784701	535264	1670	1740	88.90- 133.35	125.05
	Average of Peak Amounts =				1640	1730		

AP 10/27/10
CLAW

Data File: \\nosah1\acquadata\GC09\data\1402610.B\14026F019.D
Date: 27-OCT-2010 07:09
Client ID:
Sample Info: 1232/1262 @ 2000ppb | PCBs-630
Column Phase: DB-35MS

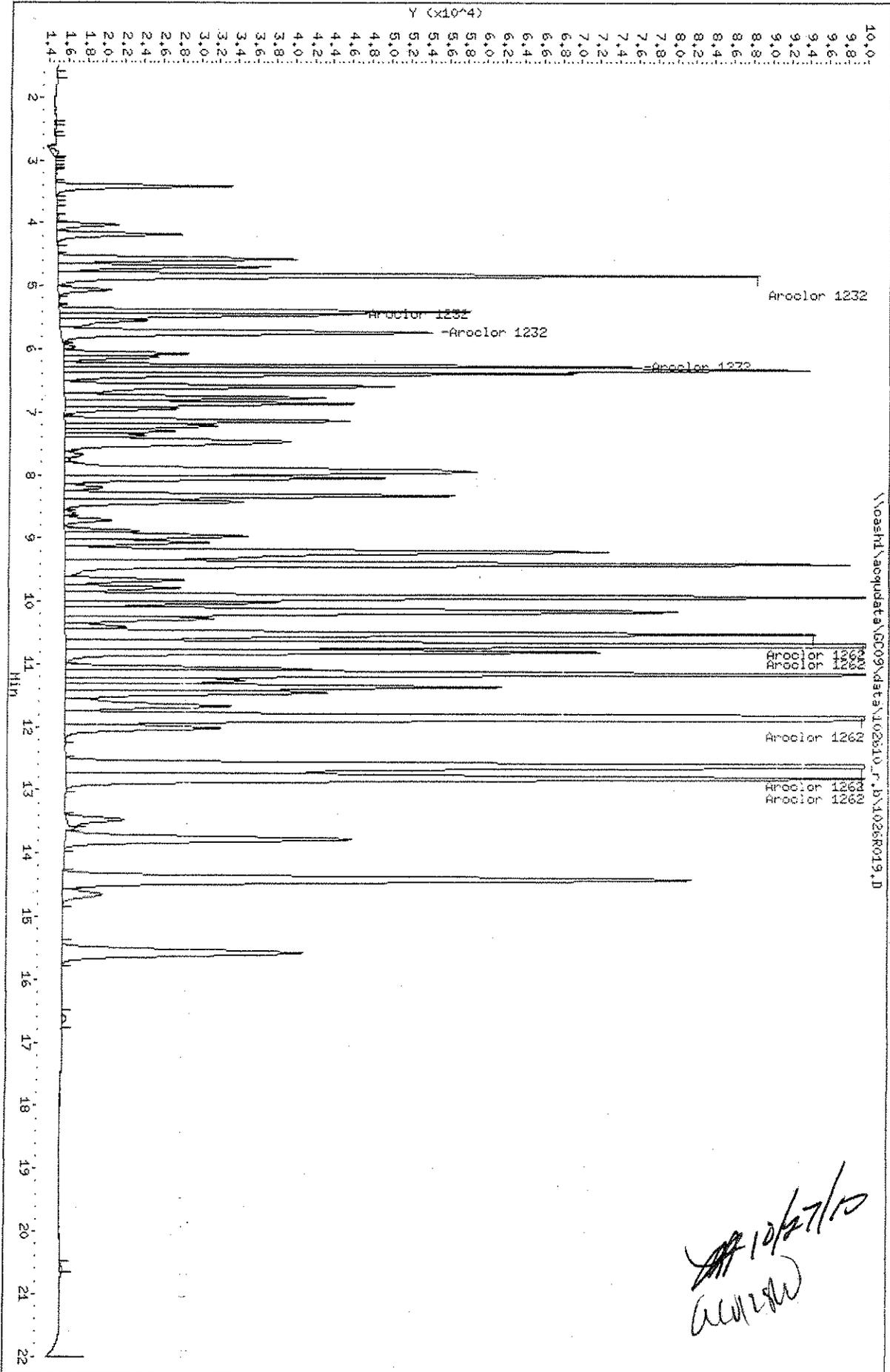
Instrument: GC09.1
Operator: LHarris
Column diameter: 0.53

\\nosah1\acquadata\GC09\data\1402610.B\14026F019.D



Data File: \\voashd\acq\data\GC09\data\102610_r.b\1026R019.D
 Date: 27-OCT-2010 07:09
 Client ID:
 Sample Info: 1232/1262 @ 2000ppb | PCB5-63Q
 Column phase: DB-XLB

Instrument: GC09.i
 Operator: LHarris
 Column diameter: 0.53



Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F020.D
 Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R020.D
 Inj Date : 27-OCT-2010 07:36
 Sample Info: 1232/1262 @ 5000ppb | PCB5-63R
 Misc Info :
 Cal Date : 27-OCT-2010 11:11
 Operator : LHarris
 Inst ID : GC09.i
 Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610_f.m
 Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
 Sub List #1 : 1232+1262.sub
 Sub List #2 : 1232+1262.sub
 Col #1 Phase : DB-35MS
 Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1232	4.480	4.830	560376	600696	3650	3710	80.00- 120.00	100.00
	5.057	5.450	552700	237214	3740	3970	69.89- 104.84	95.23
	5.793	5.730	1014654	425000	3670	3980	126.75- 190.12	174.83
	5.963	6.273	449198	346804	3890	3970	54.28- 81.42	77.40
	Average of Peak Amounts =				3790	3910		
Aroclor 1262	10.033	10.507	1405336	864807	3360	4060	80.00- 120.00	100.00
	10.640	10.683	1167884	1229541	3790	3720	60.84- 91.26	83.10
	11.083	11.840	2314935	2167877	3920	3900	112.15- 168.23	164.72
	11.820	12.610	991515	1612789	3800	3890	50.32- 75.47	70.55
	11.983	12.807	1787183	1220900	3840	3970	88.90- 133.35	127.17
	Average of Peak Amounts =				3740	3910		

Handwritten signature:
 10/27/10
 ACW

Data File: \ncash1\acq\data\0009\data\102610.B\1026f020.D

Date: 27-OCT-2010 07:36

Client ID:

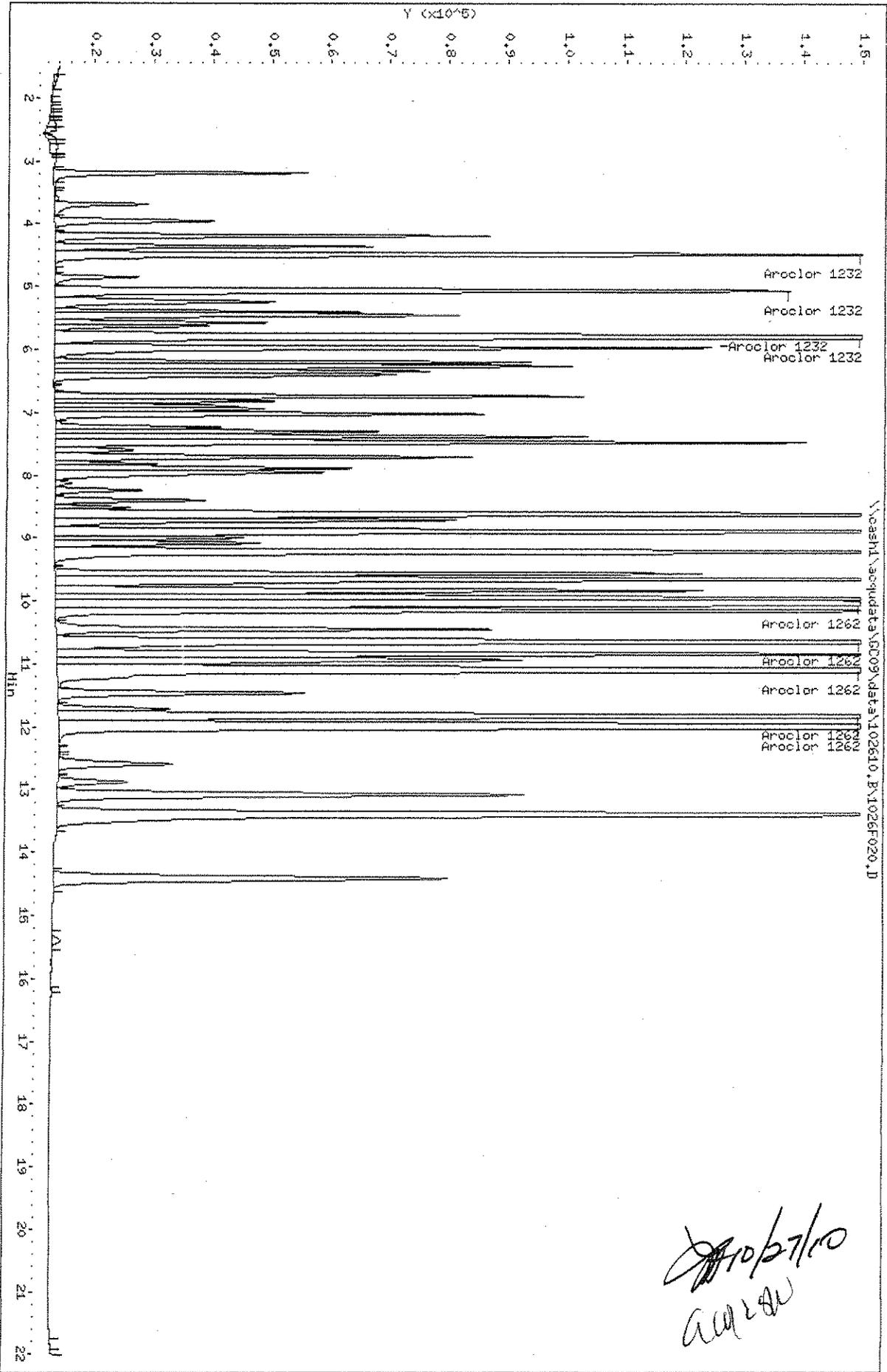
Sample Info: 1232/1262 @ 5000ppb | PDBS-63R

Column phase: DB-35HS

Instrument: GC09.i

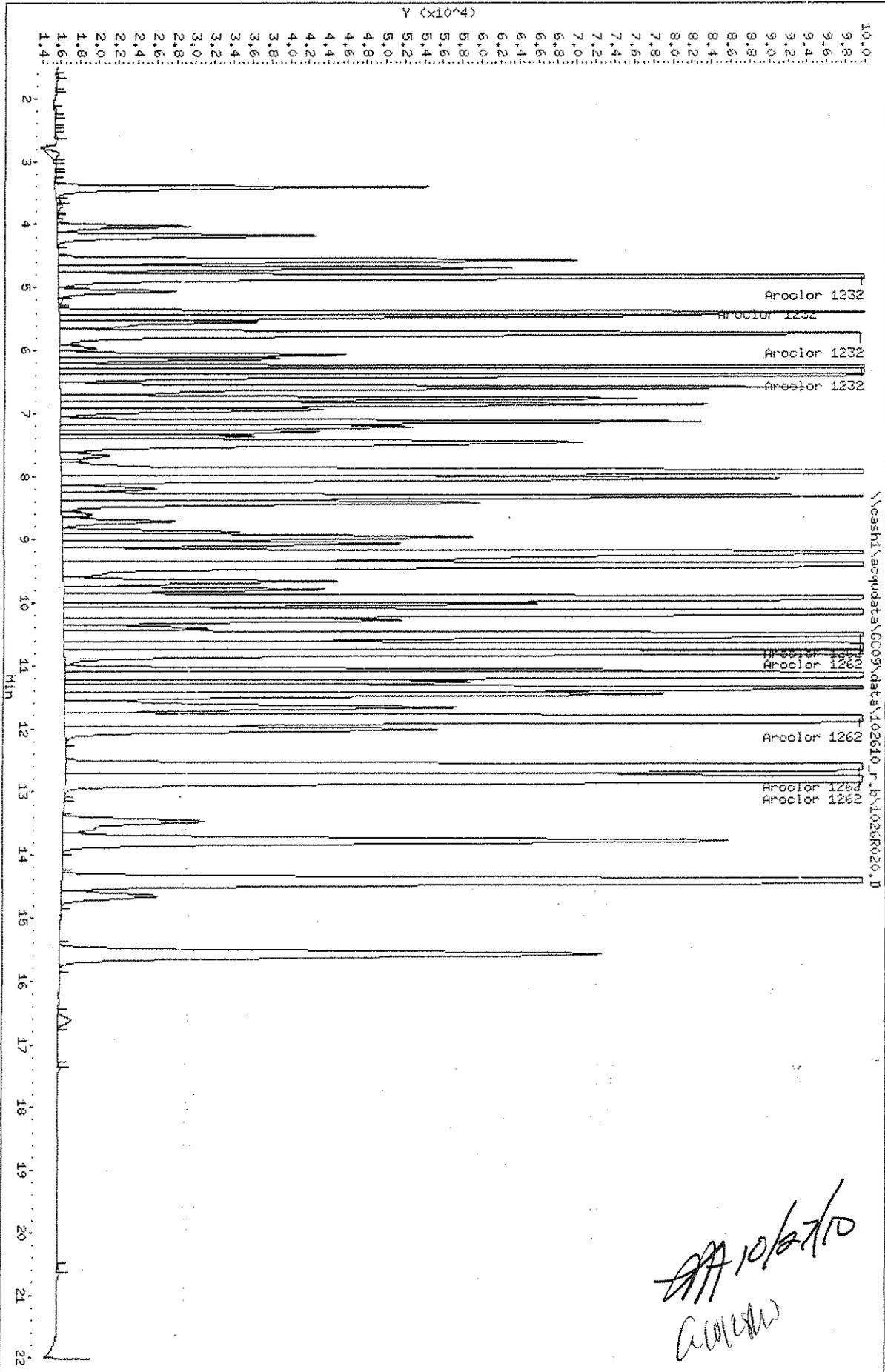
Operator: Lharris

Column diameter: 0.53



Data File: \\casha\acq\data\GC09\data\102610_1.P\1026R020.D
 Date: 27-OCT-2010 07:36
 Client ID:
 Sample Info: 1232/1262 @ 5000ppb | PCBs-63R
 Column phase: DB-XLB

Instrument: GC09.1
 Operator: LHarris
 Column diameter: 0.53



Handwritten signature and date:
 10/27/10
 LHarris

Data File: \\cash1\acqdata\GC09\data\102610.B\1026F021.D
 Report Date: 27-Oct-2010 14:48

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F021.D
 Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R021.D
 Inj Date : 27-OCT-2010 08:02
 Sample Info: 1242/1268 @ 25ppb | PCB5-63S
 Misc Info :
 Cal Date : 27-OCT-2010 11:11
 Operator : LHarris
 Inst ID : GC09.i
 Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610_f.m
 Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
 Sub List #1 : 1242+1268.sub
 Sub List #2 : 1242+1268.sub
 Col #1 Phase : DB-35MS
 Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target	Range	Ratio
Aroclor 1242	5.057	5.450	8253	2258	30.2	24.6	80.00-	120.00	100.00 (M)
	5.453	6.380	3001	6152	27.4	32.0	31.14-	46.71	36.36 (M)
	5.967	6.590	6642	3821	30.0	26.1	61.93-	92.90	80.48 (M)
	6.343	6.767	3618	3260	30.4	28.8	32.25-	48.44	43.85 (M)
	6.740	6.860	4800	4081	29.1	29.9	48.04-	72.05	58.17 (M)
	Average of Peak Amounts =				29.4	28.3			
Aroclor 1268	11.820	12.617	26727	26862	30.6	34.2	80.00-	120.00	100.00 (M)
	11.970	12.817	24039	23874	31.2	36.3	72.24-	108.36	89.95 (M)
	12.600	13.473	19366	19467	31.1	71.1	58.58-	87.06	72.46 (M)
	12.883	13.737	3920	4989	25.5	19.3	12.82-	19.23	14.67 (M)
	13.393	14.417	7706	8052	28.2	5.30	23.76-	35.64	28.83 (M)
	Average of Peak Amounts =				29.3	33.2			

QC Flag Legend

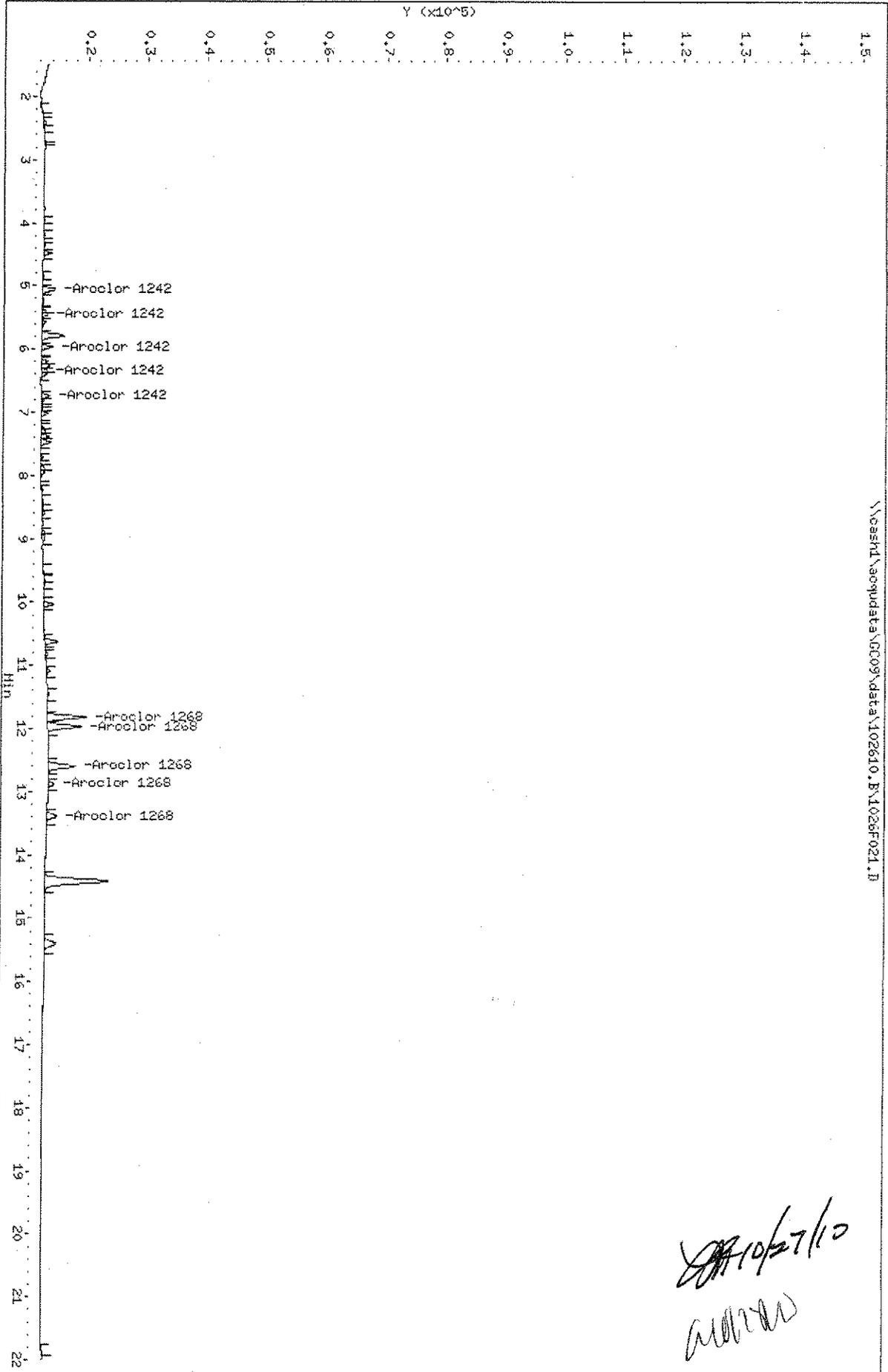
M - Compound response manually integrated.

Handwritten signature:
 10/27/10
 LHarris

Data File: \\osashl\acq\data\GC09\data\102610.B\1026F021.D
Date: 27-OCT-2010 08:02
Client ID:
Sample Info: 1242/1268 @ 25ppb | PCB5-63S
Column Phase: DB-35MS

Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53

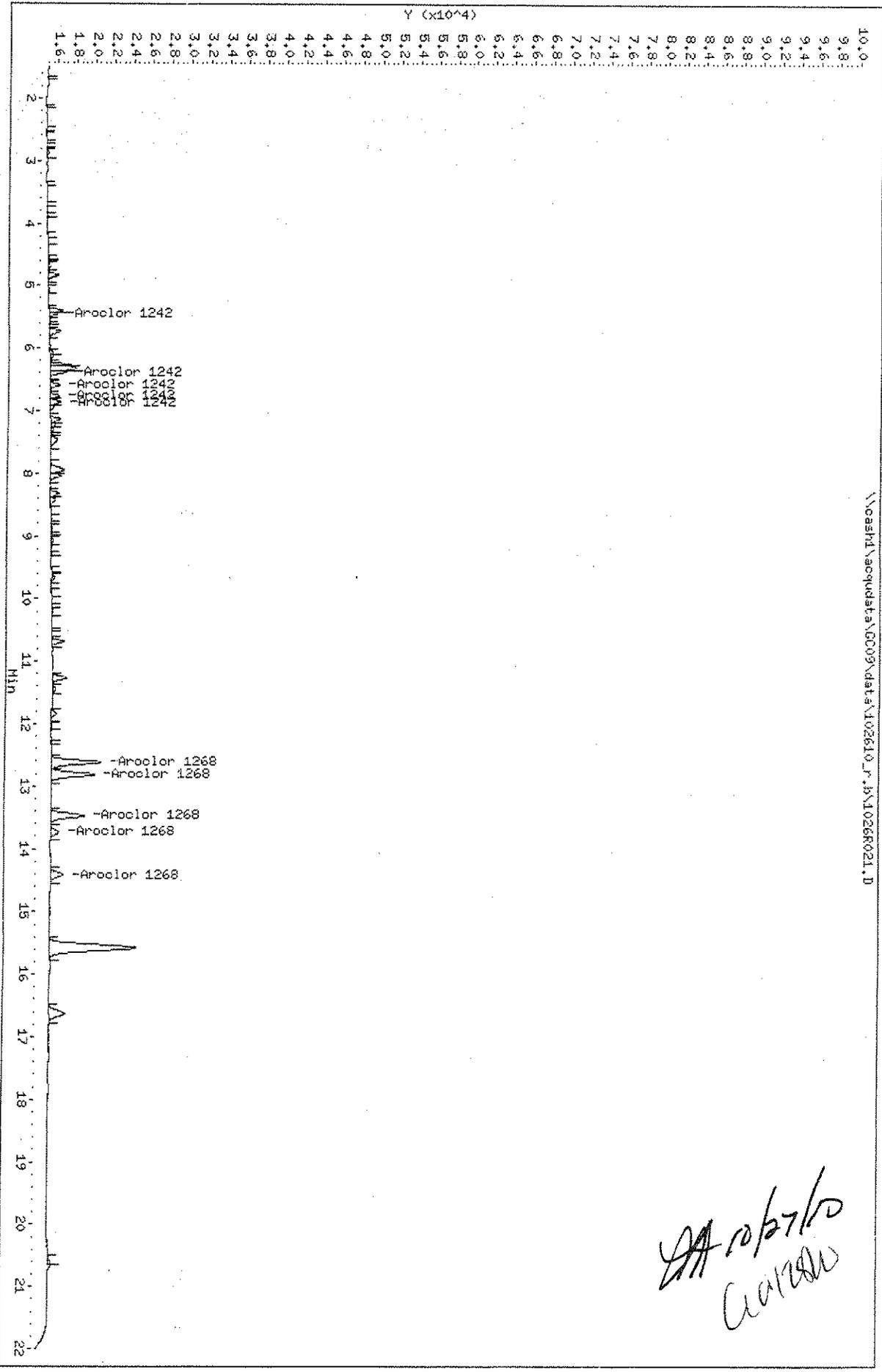
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Handwritten signature and date: 10/27/10

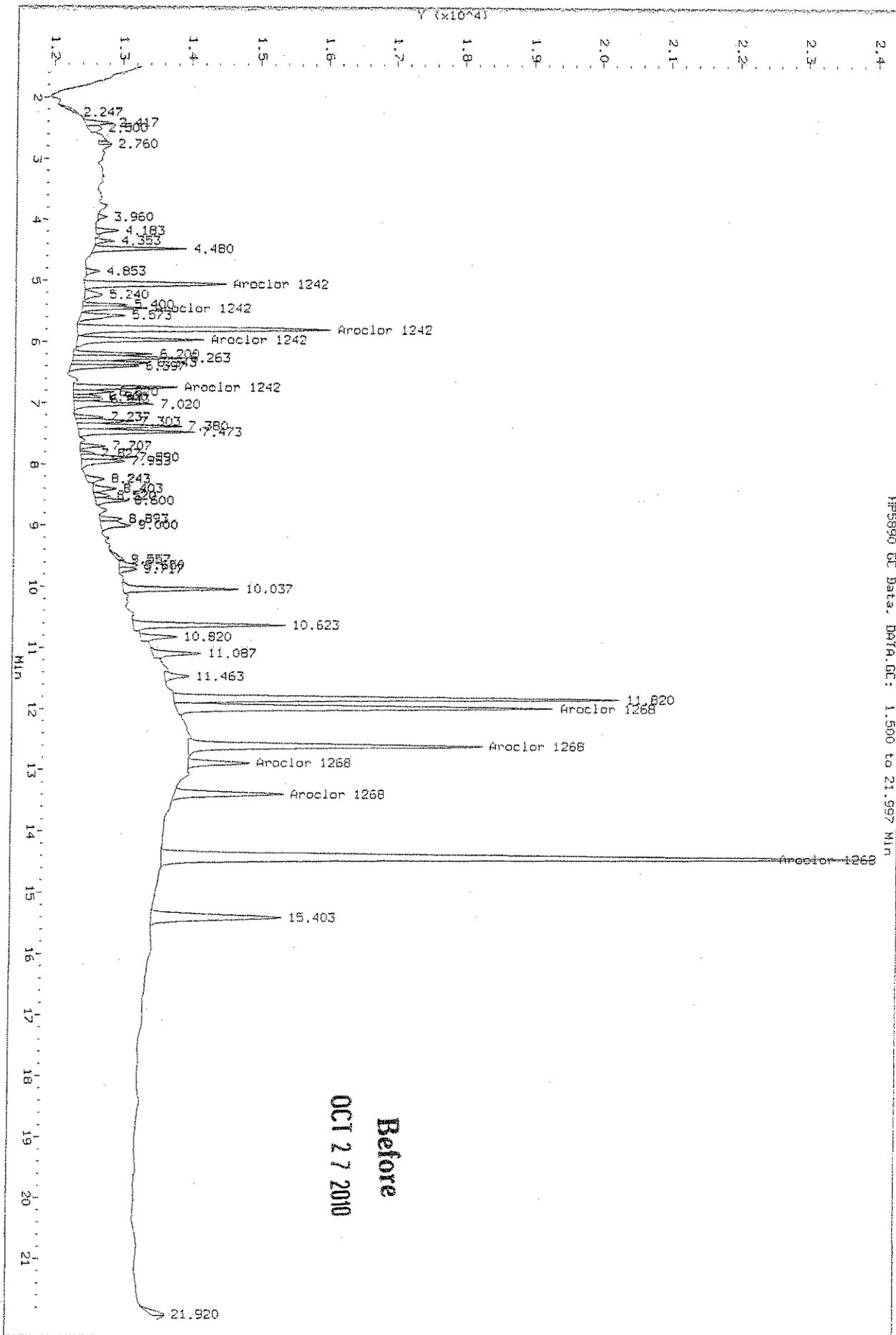
Data File: \nossh1\acq\data\0009\data\102610_r.h\1026f021.D
 Date: 27-OCT-2010 08:02
 Client ID:
 Sample Info: 1242/1268 @ 25ppb | PC85-63S
 Column Phase: DB-MLB

Instrument: GC09.1
 Operator: Lharris
 Column diameter: 0.53



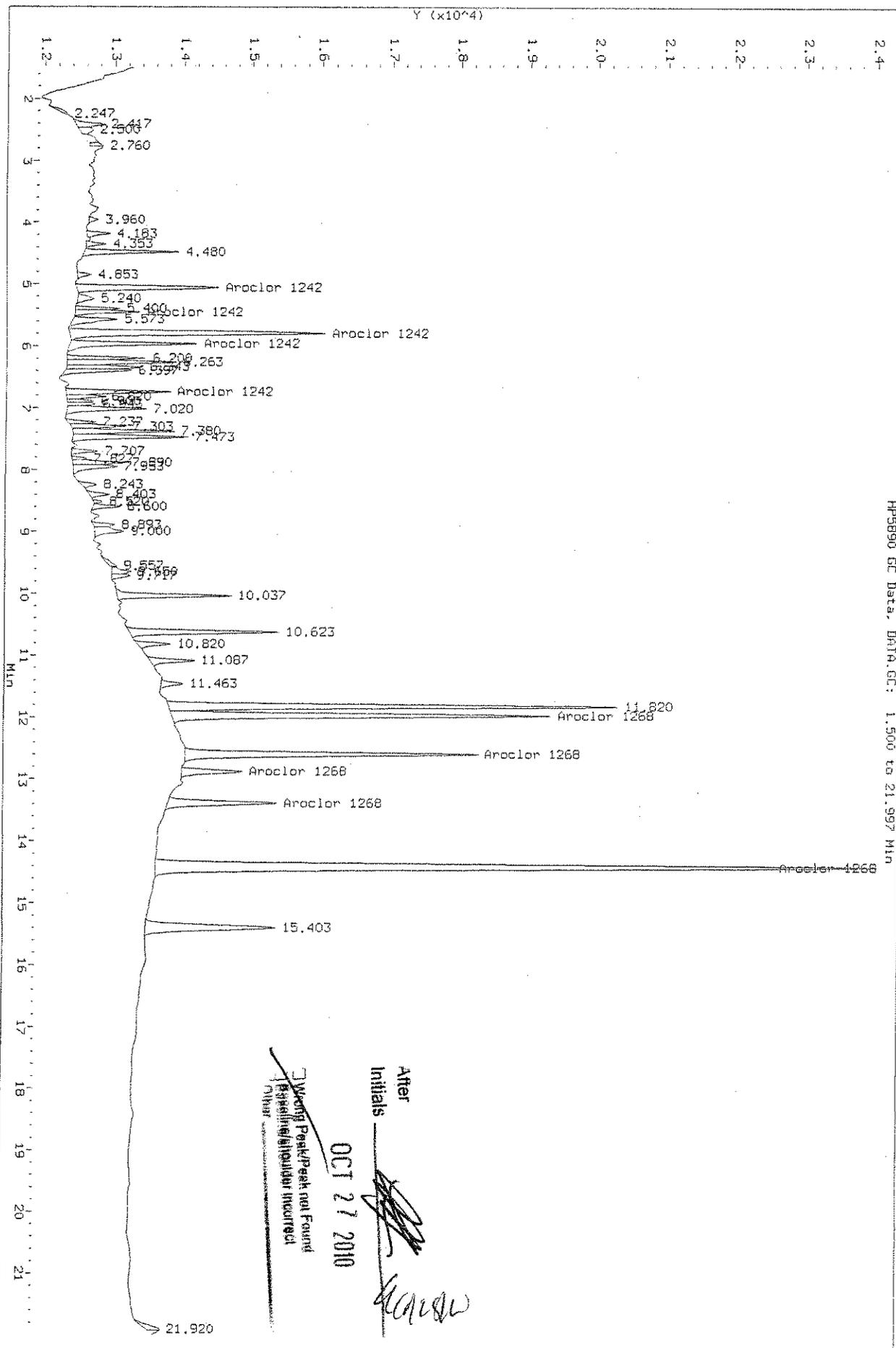
Handwritten signature:
 SA 10/27/10
 Lharris

Data File: \vesh1\acq\data\GC09\data\102610_B\10261021.D
Injection Date: 27-OCT-2010 08:02
Instrument: GC09.1
Client Sample ID:



Data File: \\casha\acq\data\GC09\data\102610.B\10261021.D
 Injection Date: 27-Oct-2010 08:02
 Instrument: GC09.1
 Client Sample ID:

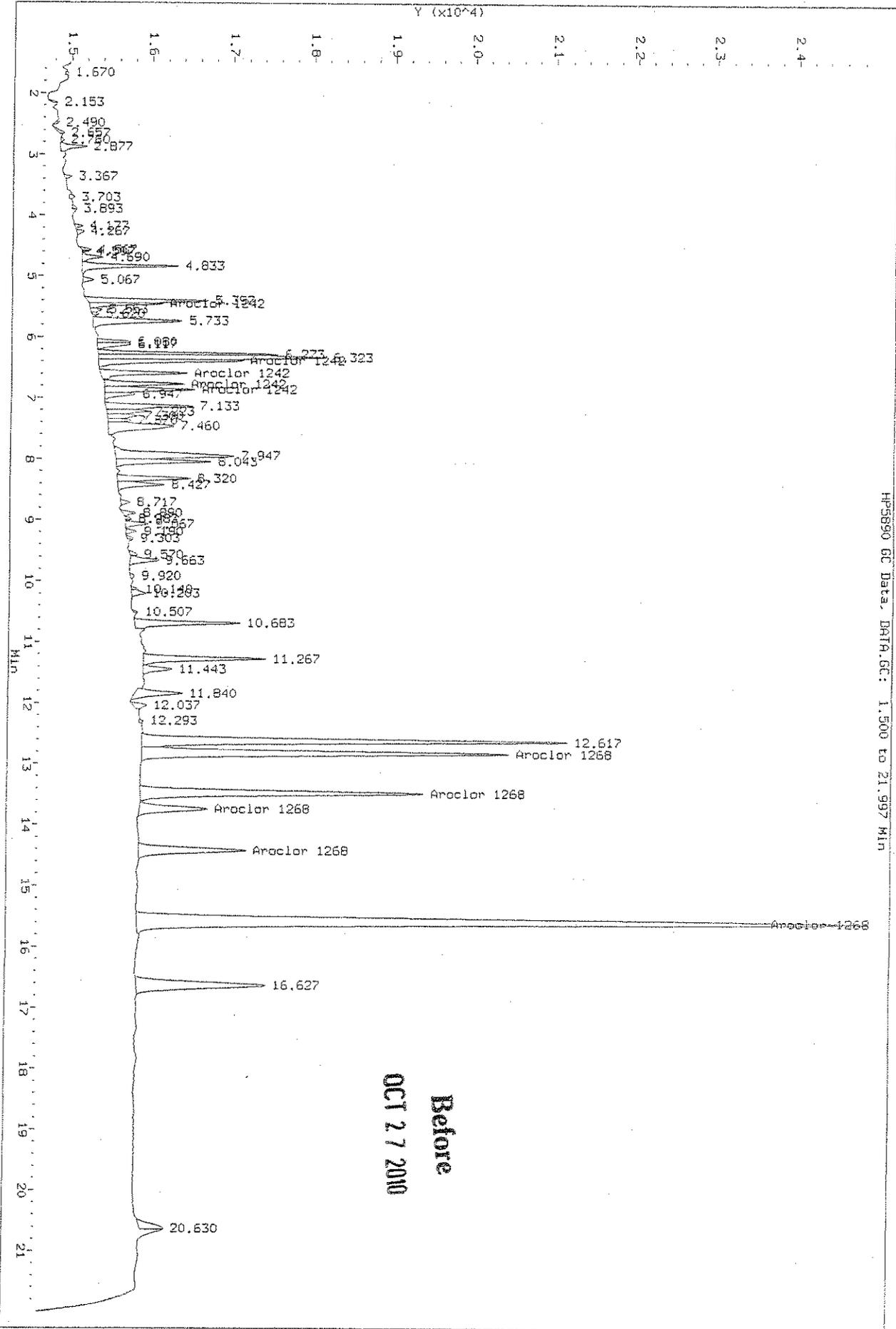
HP5890 GC Data, DATA.GC: 1.500 to 21.997 Min



After Initials 
 OCT 27 2010
 Wrong Peak/Peak not Found
 Residual/Impurities Interfere
 Other

Data File: \\vcash1\acq\data\GC09\data\102610_r.b\1026R021.D
Injection Date: 27-OCT-2010 08:02
Instrument: GC09.1
Client Sample ID:

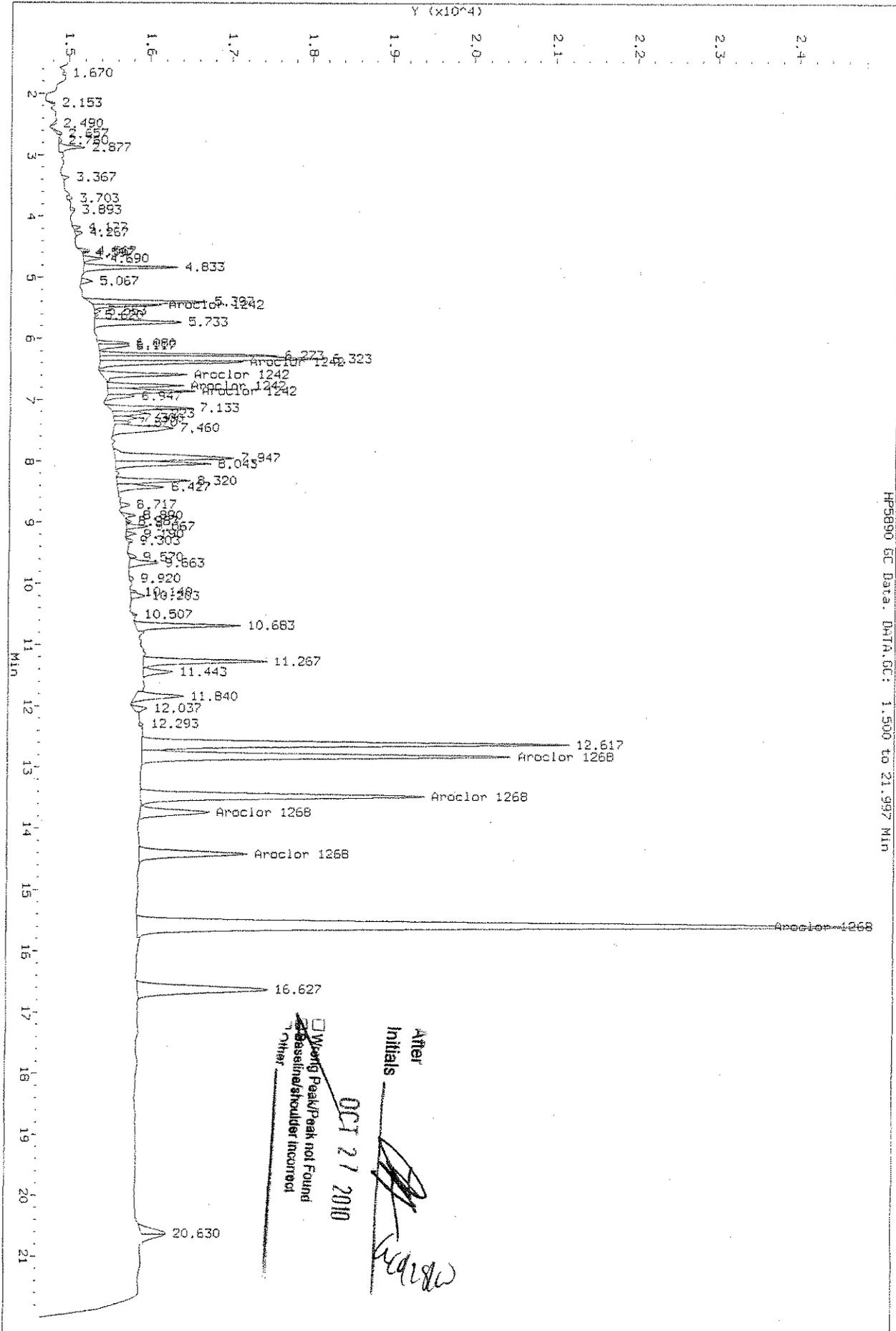
HP5890 GC Data, DATA.GC: 1.500 to 21.997 Min



Before
OCT 27 2010

Data File: \\casshi\acq\data\GC09\data\102610.r\h\1026R021.D
 Injection Date: 27-OCT-2010 08:02
 Instrument: GC09.1
 Client Sample ID:

HP5890 GC Data: DATA.GC: 1.500 to 21.997 Min



After Initials: *[Signature]*
 Wrong Peak/Shoulder Incorrect
 Peak not Found
 Other
 OCT 27 2010
[Signature]

Data File: \\cash1\acqdata\GC09\data\102610.B\1026F022.D
 Report Date: 27-Oct-2010 14:49

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F022.D
 Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R022.D
 Inj Date : 27-OCT-2010 08:29
 Sample Info: 1242/1268 @ 50ppb | PCB5-63T
 Misc Info :
 Cal Date : 27-OCT-2010 12:44
 Operator : LHarris
 Inst ID : GC09.i
 Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610_f.m
 Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
 Sub List #1 : 1242+1268.sub
 Sub List #2 : 1242+1268.sub
 Col #1 Phase : DB-35MS
 Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target	Range	Ratio
Aroclor 1242	5.053	5.450	15983	5211	58.5	56.7	80.00-	120.00	100.00 (M)
	5.453	6.380	6221	11403	56.9	59.3	31.14-	46.71	38.92 (M)
	5.963	6.590	12373	7660	55.8	52.4	61.93-	92.90	77.41 (M)
	6.343	6.767	6451	6570	55.1	58.0	32.29-	48.44	40.36 (M)
	6.740	6.860	9596	8048	58.5	59.0	48.04-	72.05	60.04 (M)
	Average of Peak Amounts =				57.0	57.1			
Aroclor 1268	11.820	12.617	51638	51525	59.1	64.2	80.00-	120.00	100.00
	11.970	12.817	46627	46154	60.6	67.5	72.24-	108.36	90.30
	12.600	13.470	37809	38166	60.7	104	58.58-	87.86	73.22
	12.883	13.737	8273	9949	53.9	41.5	12.82-	19.23	16.02
	13.387	14.410	15337	15781	56.2	13.5	23.76-	35.64	29.70
	Average of Peak Amounts =				58.1	58.1			

QC Flag Legend

M - Compound response manually integrated.

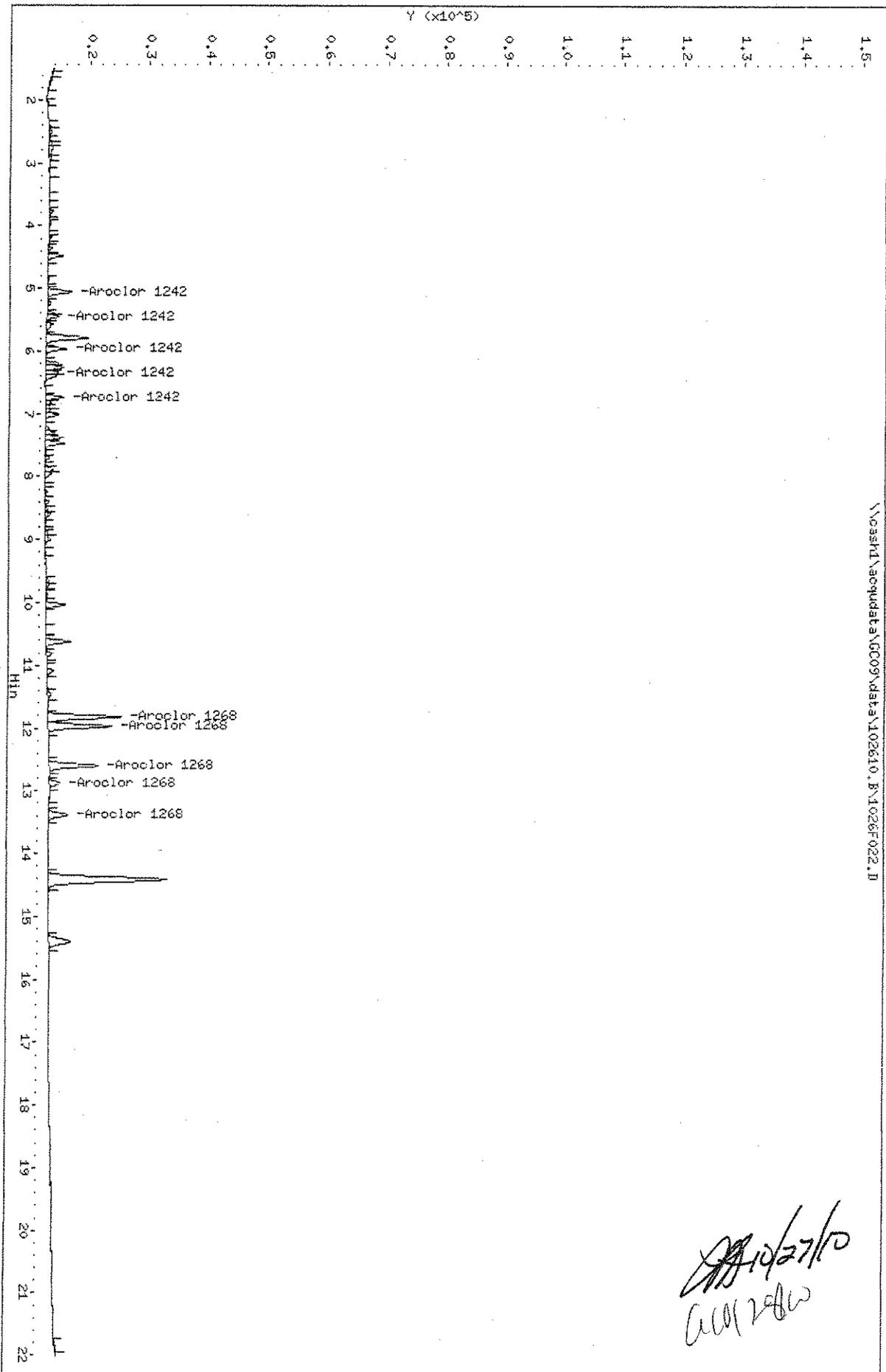
[Handwritten signature]
 10/27/10
[Handwritten initials]

Data File: \\casht1\acq\data\GC09\data\102610.B\1026F022.D
Date: 27-OCT-2010 08:29
Client ID:
Sample Info: 1242/1268 @ 50ppb | PCBs-631
Column phase: IB-35HS

Instrument: GC09.i
Operator: L Harris
Column diameter: 0.53

\\casht1\acq\data\GC09\data\102610.B\1026F022.D

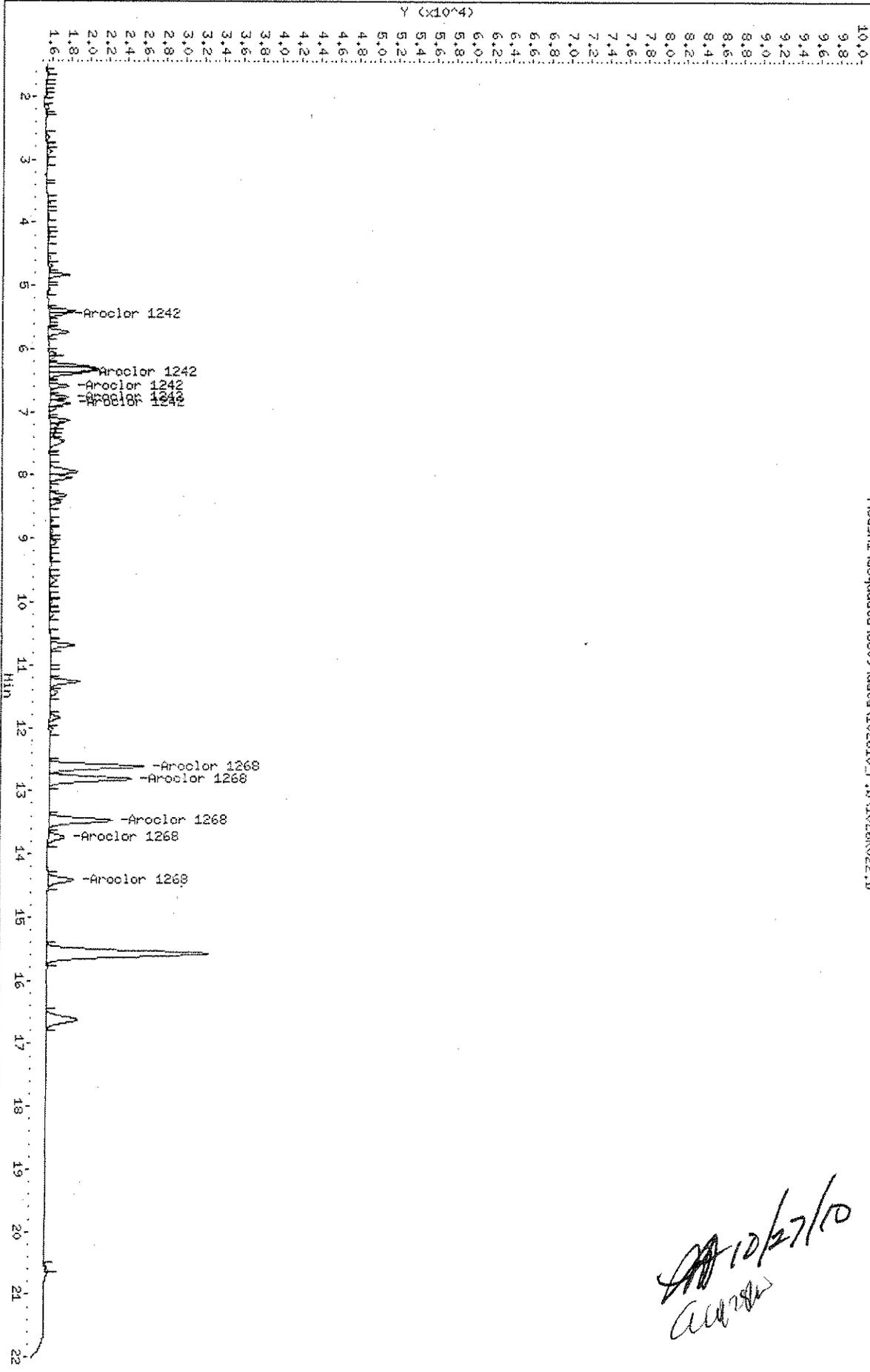
Handwritten signature and date:
10/27/10
A.C. 28/10



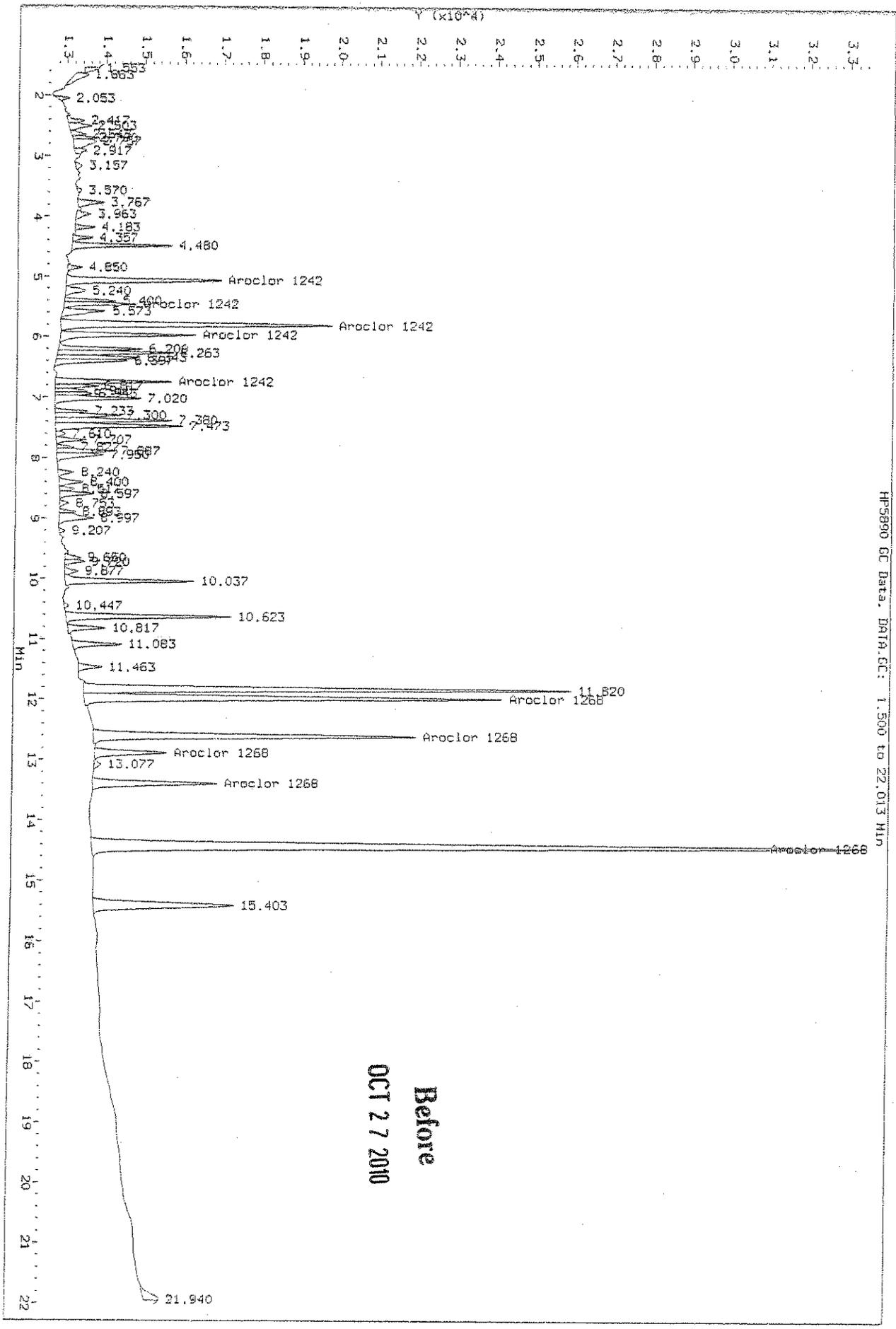
Data File: \nossh1\acq\data\GC09\data\102610_r_b\1026R022.D
 Date : 27-OCT-2010 08:29
 Client ID:
 Sample Info: 1242/1268 @ 50ppb | PCB5-63T
 Column phase: DB-XLB

Instrument: GC09.i
 Operator: LHarris
 Column diameter: 0.53

\nossh1\acq\data\GC09\data\102610_r_b\1026R022.D

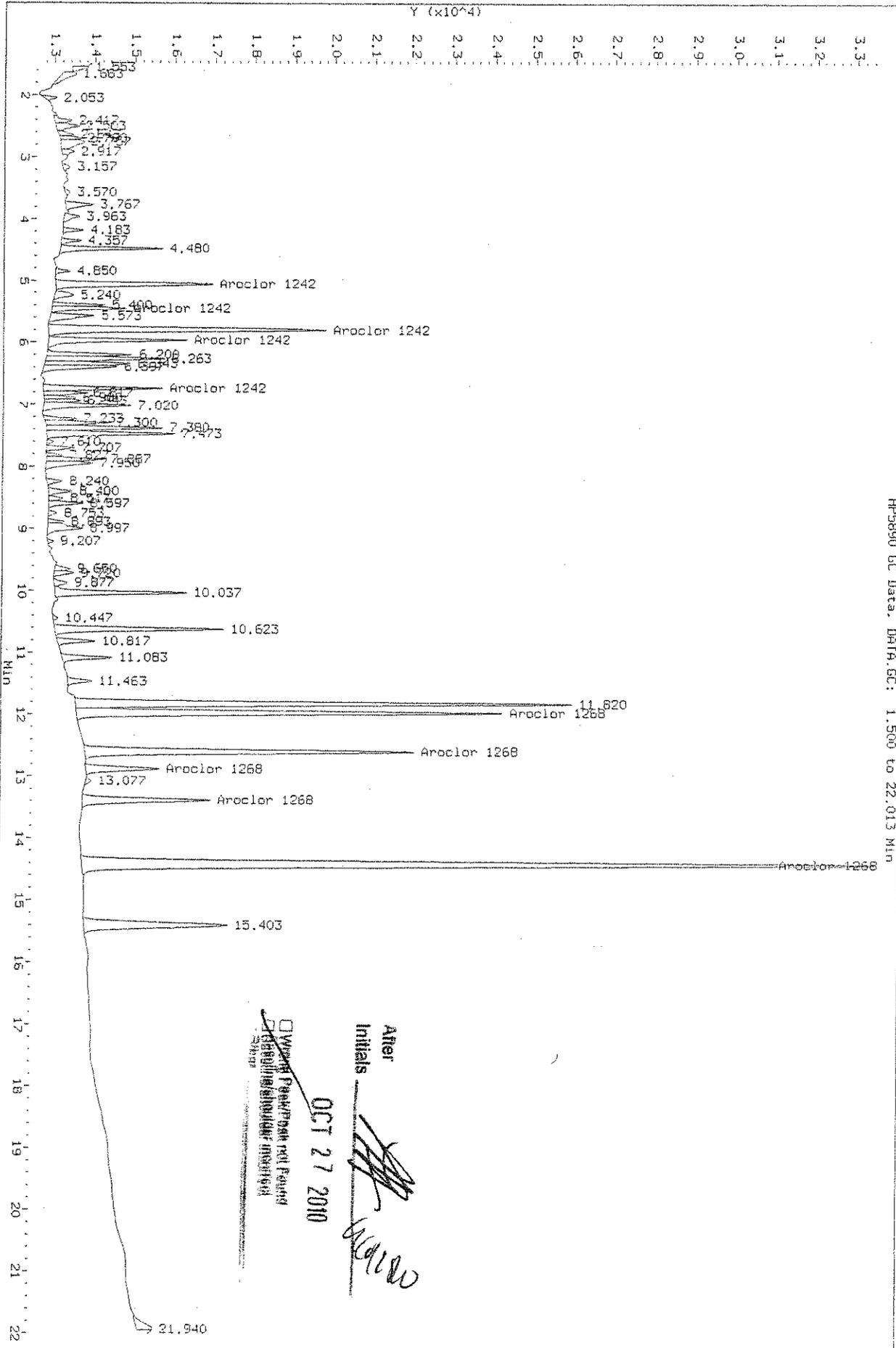


Data File: \\cash1\vacquedata\GC09\data\102610_B\10261022.D
 Injection Date: 27-OCT-2010 08:29
 Instrument: GC09.1
 Eluent Sample ID:

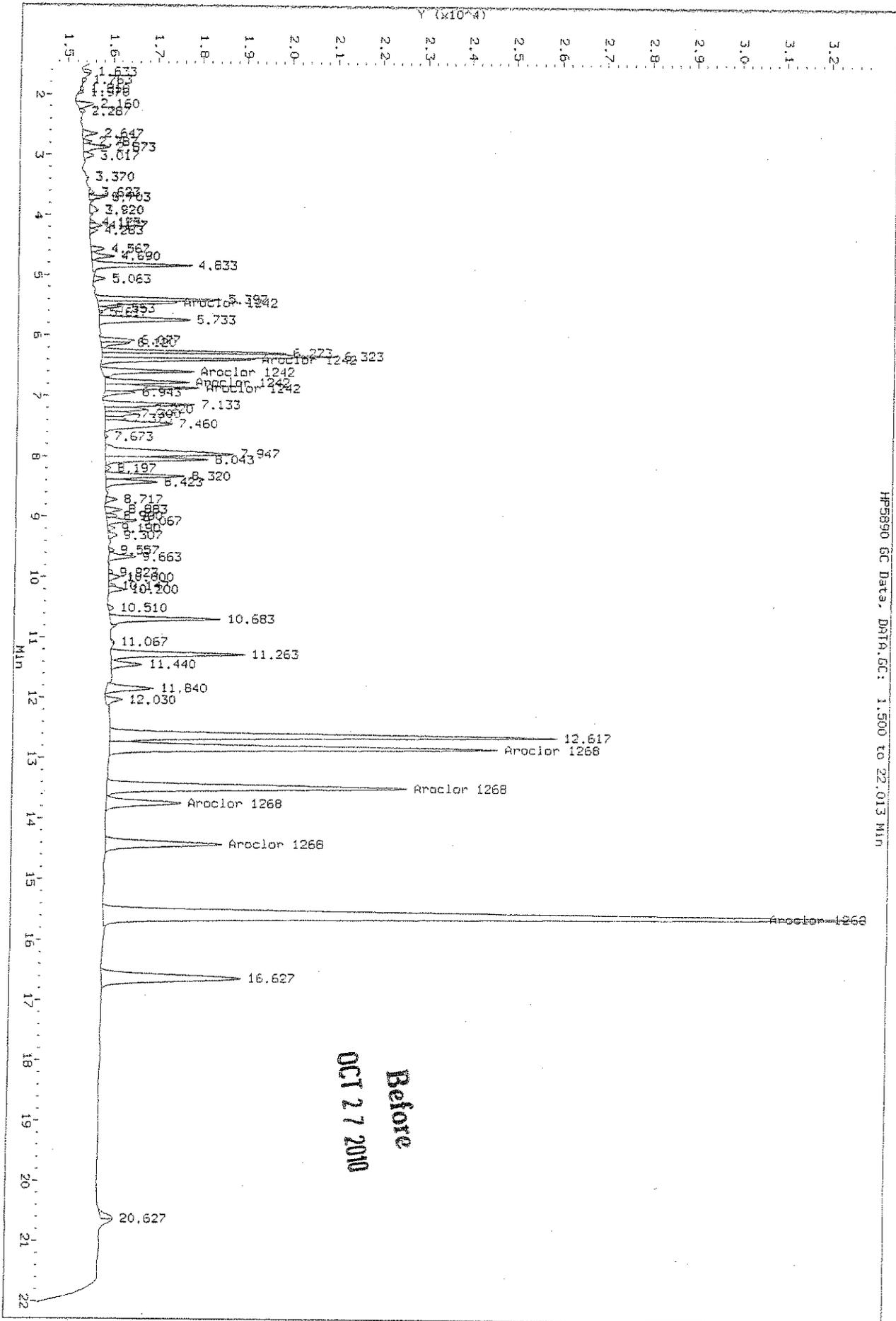


Data File: \\ceshi\aequdata\GC09\data\102610.B\10261022.D
 Injection Date: 27-OCT-2010 06:29
 Instrument: GC09.1
 Client Sample ID:

HP5890 GC Data, DATA.GC: 1.500 to 22.013 Min

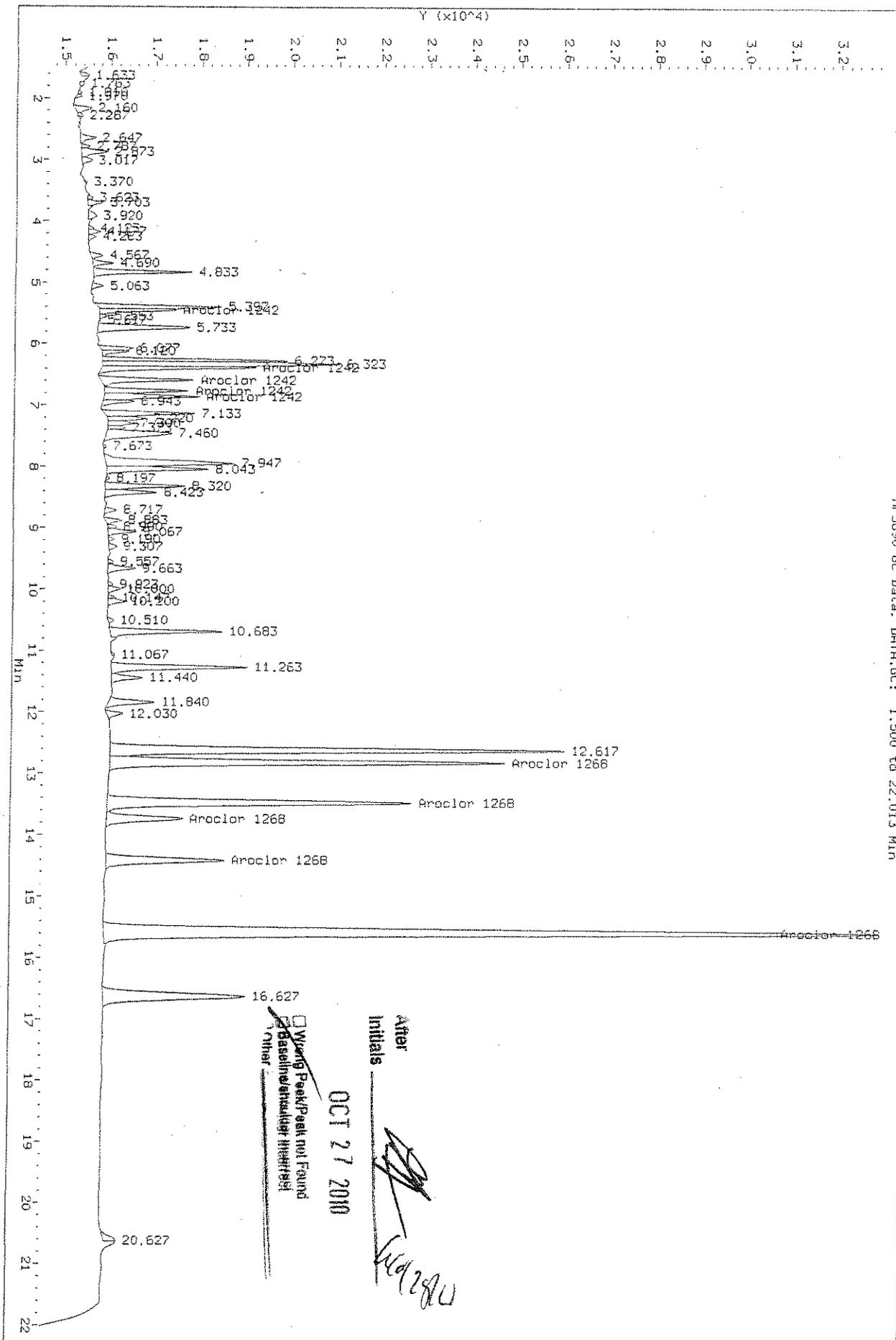


Data File: \\casha1\acq\data\GC09\data\102610_r.b\1026R022.D
Injection Date: 27-OCT-2010 08:29
Instrument: GC09.1
Client Sample ID:



Data File: \acesn1\accpdata\data\GC09\data\102610_r_b\1026r022.D
 Injection Date: 27-OCT-2010 08:29
 Instrument: GC09.1
 Client Sample ID:

HP5890 GC Data, DATA.GC: 1.500 to 22.013 MIN



Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F023.D
Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R023.D
Inj Date : 27-OCT-2010 08:56
Sample Info: 1242/1268 @ 500ppb | PCB5-63U
Misc Info :
Cal Date : 27-OCT-2010 12:44
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : 1242+1268.sub
Sub List #2 : 1242+1268.sub
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

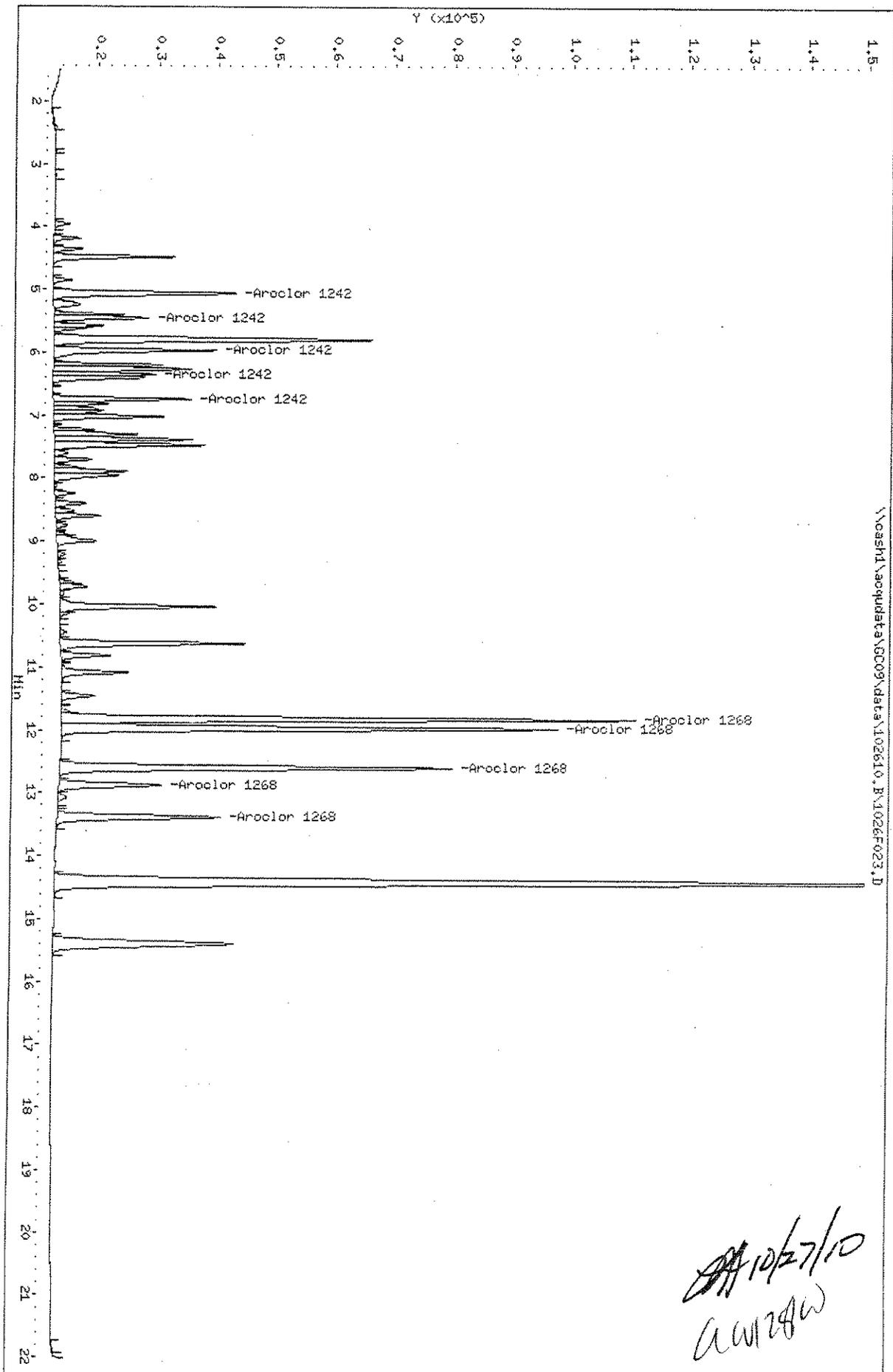
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1242	5.053	5.450	132449	51750	484	564	80.00- 120.00	100.00
	5.453	6.377	53637	97216	490	505	31.14- 46.71	40.50
	5.963	6.587	106640	78682	337	538	61.93- 92.90	80.51
	6.343	6.763	59134	60293	376	532	32.29- 48.44	44.65
	6.737	6.860	79741	70675	482	518	48.04- 72.05	60.21
	Average of Peak Amounts =				434	531		
Aroclor 1268	11.820	12.613	408478	412511	476	508	80.00- 120.00	100.00
	11.970	12.813	383391	385489	542	545	72.24- 108.36	93.86
	12.597	13.470	311619	316573	722	715	58.58- 87.86	76.29
	12.880	13.737	82149	91521	401	412	12.82- 19.23	20.11
	13.387	14.410	140010	143536	160	158	23.76- 35.64	34.28
	Average of Peak Amounts =				460	468		

Handwritten signature and date:
10/27/10
C. Harris

Data File: \\yosshi\acq\data\0009\data\102610.B\1026F023.D
Date: 27-OCT-2010 08:56
Client ID:
Sample Info: 1242/1268 @ 500ppb | PCBs-63U
Column phase: DB-35MS

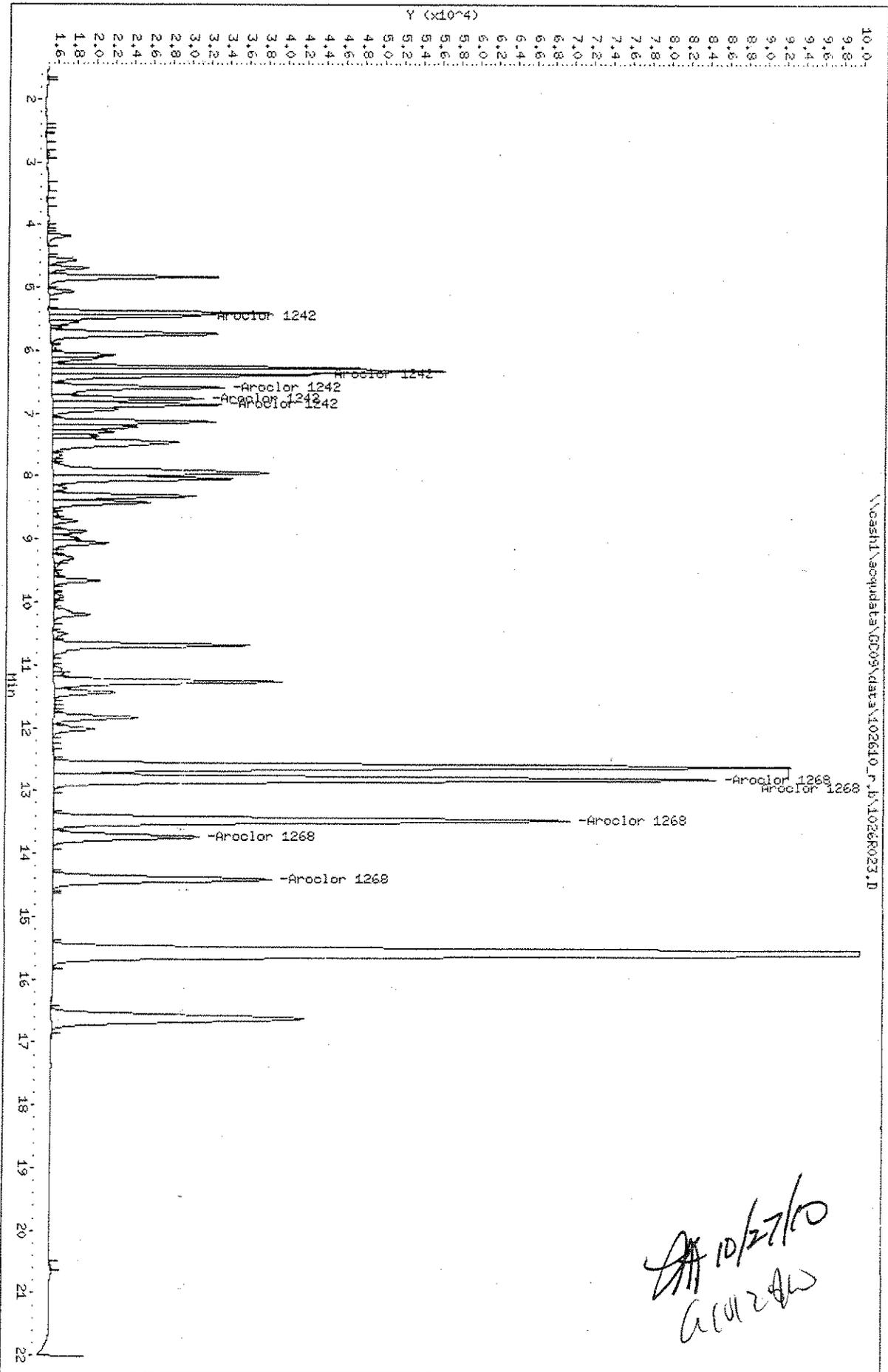
Instrument: GC09.1
Operator: Lharris
Column diameter: 0.53

\\yosshi\acq\data\0009\data\102610.B\1026F023.D

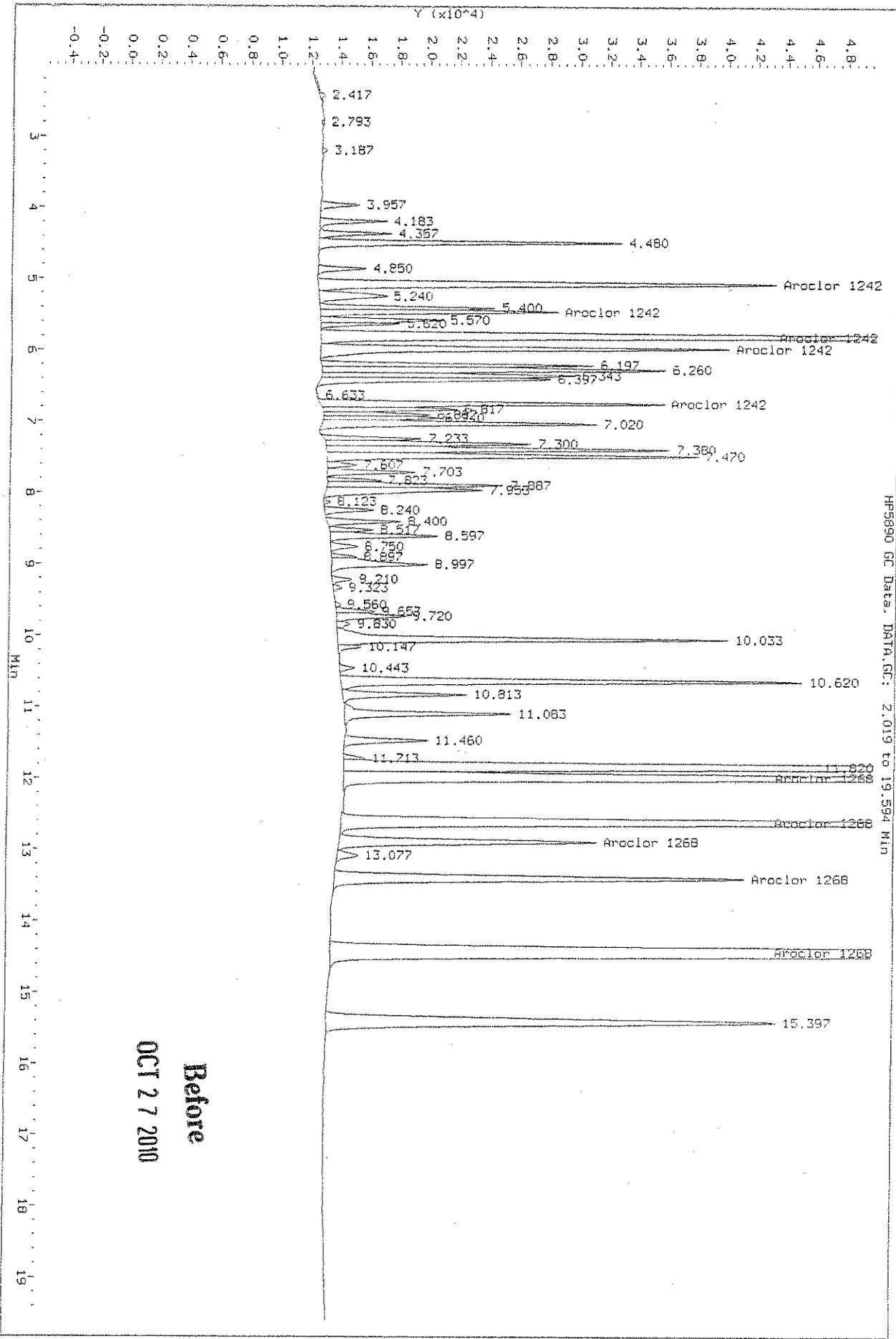


Data File: \ncash\acq\data\GC09\data\102610_r_b\1026R023.D
Date : 27-OCT-2010 08:56
Client ID:
Sample Info: 1242/1268 @ 500ppb | PCB5-GSU
Column phase: DB-XLB

Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53

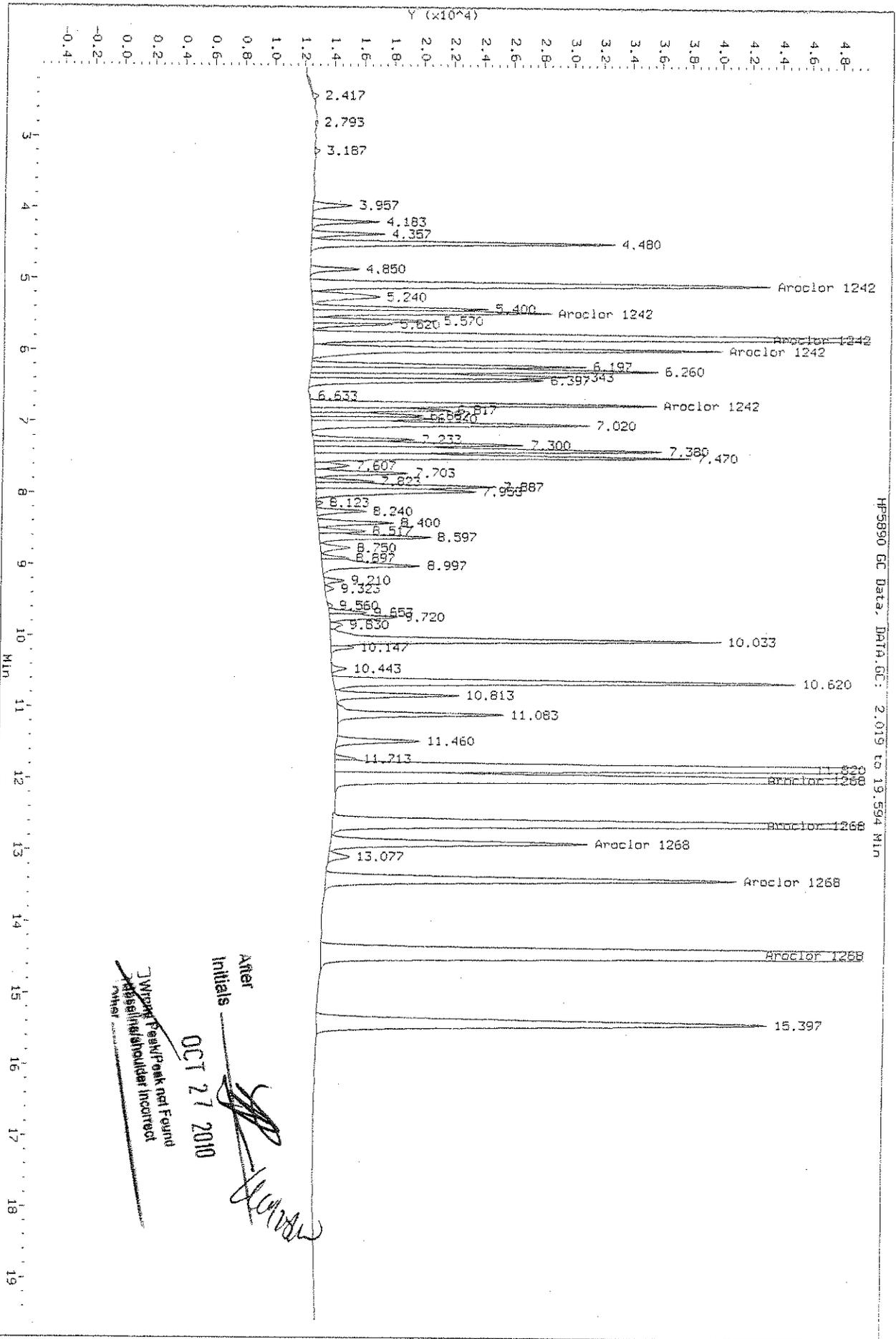


Data File: \ccash\vacqudata\GC09\data\102610_BN1026F023.D
 Injection Date: 27-OCT-2010 08:56
 Instrument: GC09.1
 Client Sample ID:



Before
 OCT 27 2010

Data File: Y:\cash1\sqc\data\GC09\data\102610.B\10261023.D
 Injection Date: 27-OCT-2010 08:56
 Instrument: GC09.1
 Client Sample ID:



After Initials *[Signature]*
 OCT 27 2010
 Wipe Peak/Peak not Found
 Missed/Retained/Incorrect
 Other

Data File: \\cash1\acqdata\GC09\data\102610.B\1026F024.D
 Report Date: 27-Oct-2010 14:49

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F024.D
 Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R024.D
 Inj Date : 27-OCT-2010 09:22
 Sample Info: 1242/1268 @ 1000ppb | PCB5-64A
 Misc Info :
 Cal Date : 27-OCT-2010 12:44
 Operator : LHarris
 Inst ID : GC09.i
 Dil Factor : 1.000000

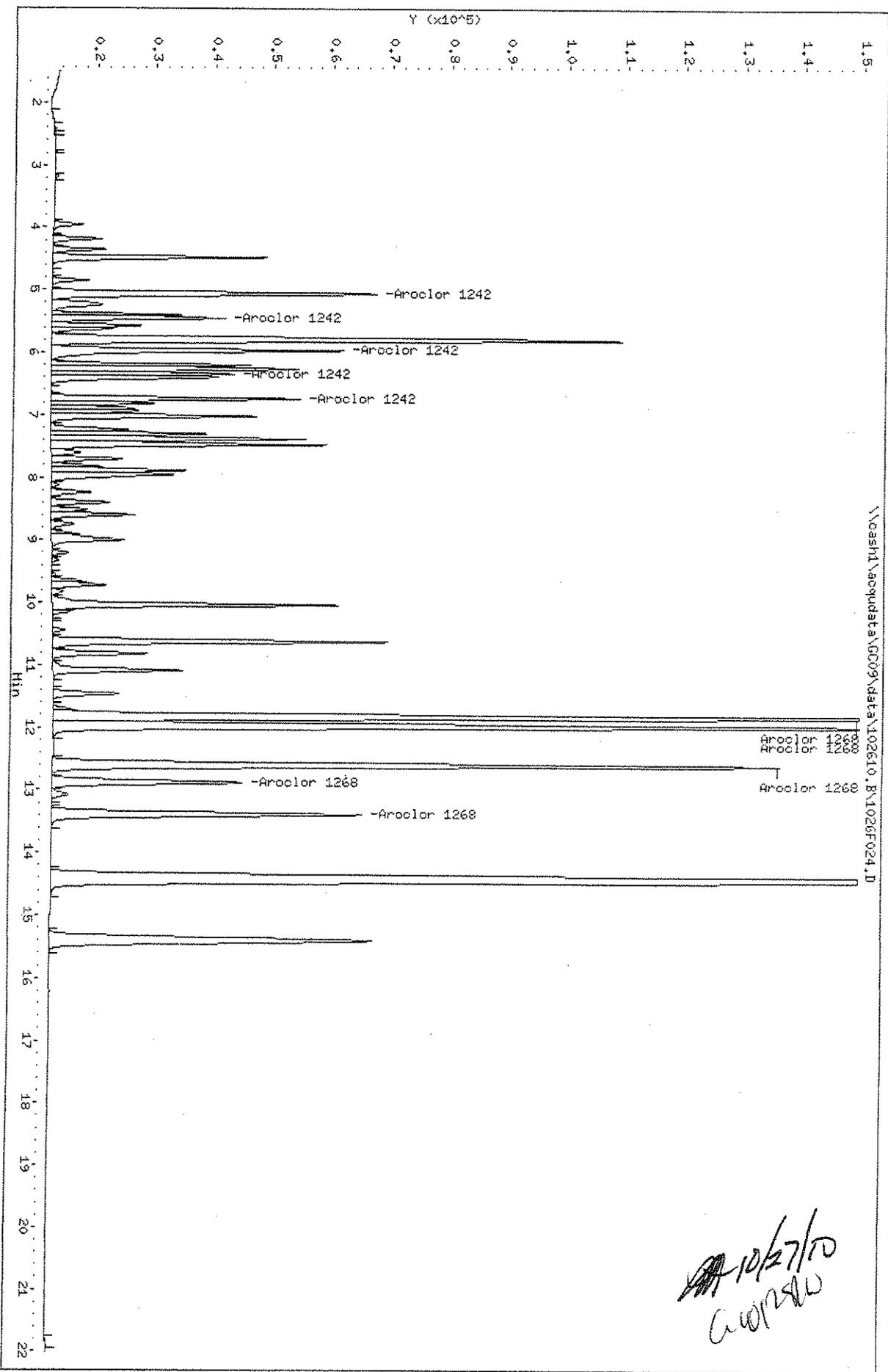
Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610 f.m
 Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
 Sub List #1 : 1242+1268.sub
 Sub List #2 : 1242+1268.sub
 Col #1 Phase : DB-35MS
 Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1242	5.053	5.450	239626	92425	877	1010	80.00- 120.00	100.00
	5.453	6.377	102816	183967	940	956	31.14- 46.71	42.91
	5.963	6.587	201372	152003	756	1040	61.93- 92.90	84.04
	6.343	6.763	104027	112327	754	992	32.29- 48.44	43.41
	6.740	6.860	146020	131889	882	967	48.04- 72.05	60.94
	Average of Peak Amounts =				842	993		
Aroclor 1268	11.817	12.613	757109	757249	874	925	80.00- 120.00	100.00
	11.967	12.813	715338	713161	980	979	72.24- 108.36	94.48
	12.597	13.470	578855	584926	1150	1140	58.58- 87.86	76.46
	12.880	13.737	157220	174254	844	847	12.82- 19.23	20.77
	13.387	14.413	267872	272649	411	406	23.76- 35.64	35.38
	Average of Peak Amounts =				852	859		

Handwritten signature and date: 10/27/10

Data File: \\ncash1\accqudata\GC09\data\102610.B\1026F024.D
 Date: 27-OCT-2010 09:22
 Client ID:
 Sample Info: 1242/1268 @ 1000ppb | PCB5-64A
 Column phase: DB-35MS

Instrument: GC09.1
 Operator: LHarris
 Column diameter: 0.53

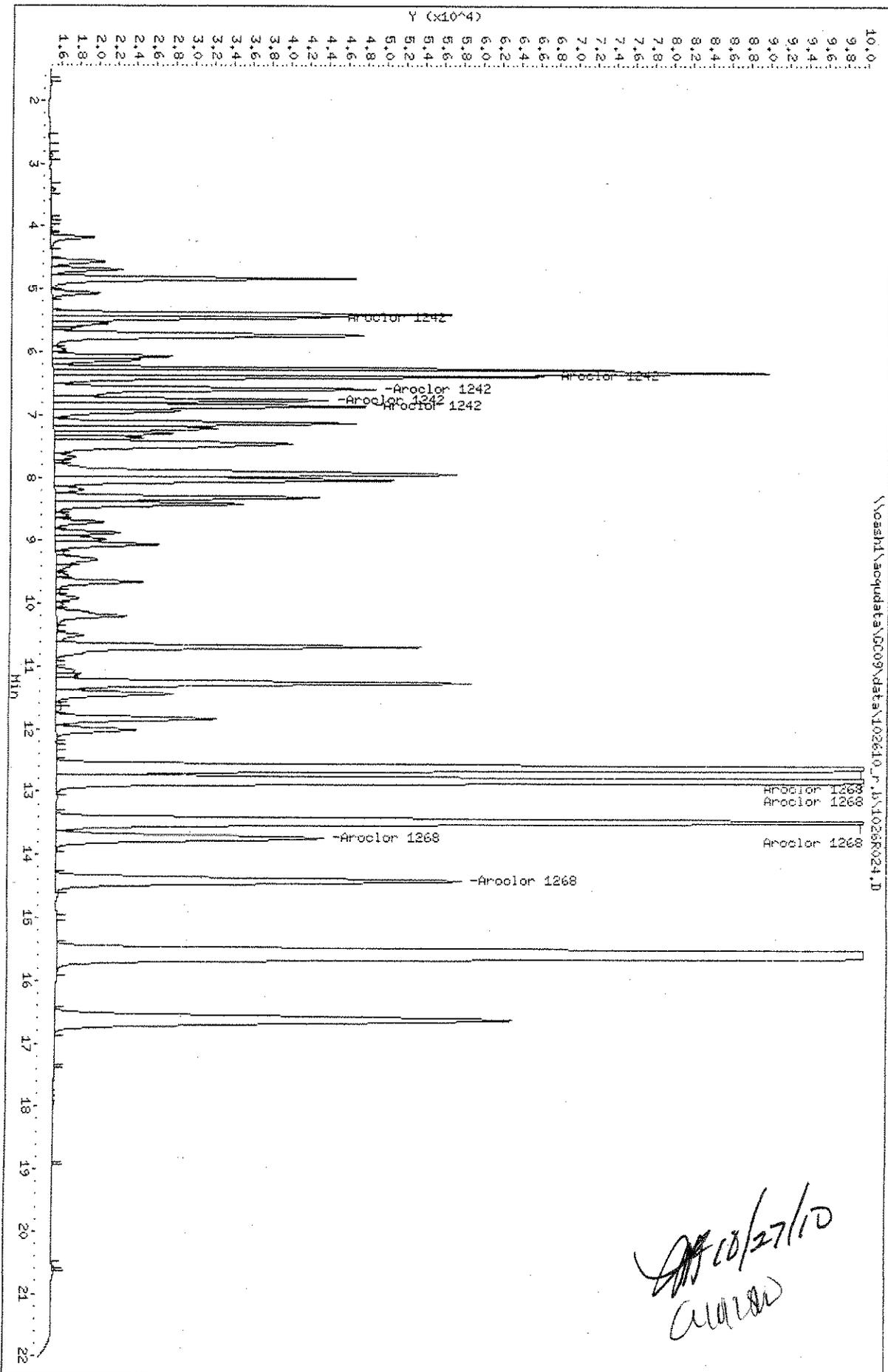


*10/27/10
 C. W. P. S. W.*

Data File: \\oashd\acq\data\009\data\102610_r.b\1026R024.D
Date : 27-OCT-2010 09:22
Client ID:
Sample Info: 1242/1268 @ 1000ppb | PCBs-64A
Column phase: IR-XLB

Instrument: GC09.1
Operator: LHarris
Column diameter: 0.53

\\oashd\acq\data\009\data\102610_r.b\1026R024.D



Data File: \\cash1\acqdata\GC09\data\102610.B\1026F025.D
 Report Date: 27-Oct-2010 14:49

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F025.D
 Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R025.D
 Inj Date : 27-OCT-2010 09:49
 Sample Info: 1242/1268 @ 2000ppb | PCB5-64B
 Misc Info :
 Cal Date : 27-OCT-2010 12:44
 Operator : LHarris
 Inst ID : GC09.i
 Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610 f.m
 Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
 Sub List #1 : 1242+1268.sub
 Sub List #2 : 1242+1268.sub
 Col #1 Phase : DB-35MS
 Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target	Range	Ratio
Aroclor 1242	5.053	5.447	424863	173144	1550	1880	80.00-	120.00	100.00
	5.453	6.377	184337	325027	1680	1690	31.14-	46.71	43.39
	5.963	6.587	360956	278762	1630	1910	61.93-	92.90	84.96
	6.343	6.763	177848	201044	1490	1770	32.29-	48.44	41.86
	6.737	6.860	260651	237285	1570	1740	48.04-	72.05	61.35
	Average of Peak Amounts =				1590	1800			
Aroclor 1268	11.817	12.610	1391247	1383248	1590	1670	80.00-	120.00	100.00
	11.967	12.813	1315439	1299946	1750	1740	72.24-	108.36	94.55
	12.597	13.470	1063473	1069450	1880	1860	58.58-	87.86	76.44
	12.880	13.733	294246	323710	1740	1700	12.82-	19.23	21.15
	13.387	14.410	499973	504052	1110	1090	23.76-	35.64	35.94
	Average of Peak Amounts =				1610	1610			

Handwritten signature and date: 10/27/10
ACQ/2816

Data File: \\ncash1\ncashdata\0009\data\102610.B\1026F025.D

Date: 27-OCT-2010 09:49

Client ID:

Sample Info: 1242/1268 @ 2000ppb | PCB5-64B

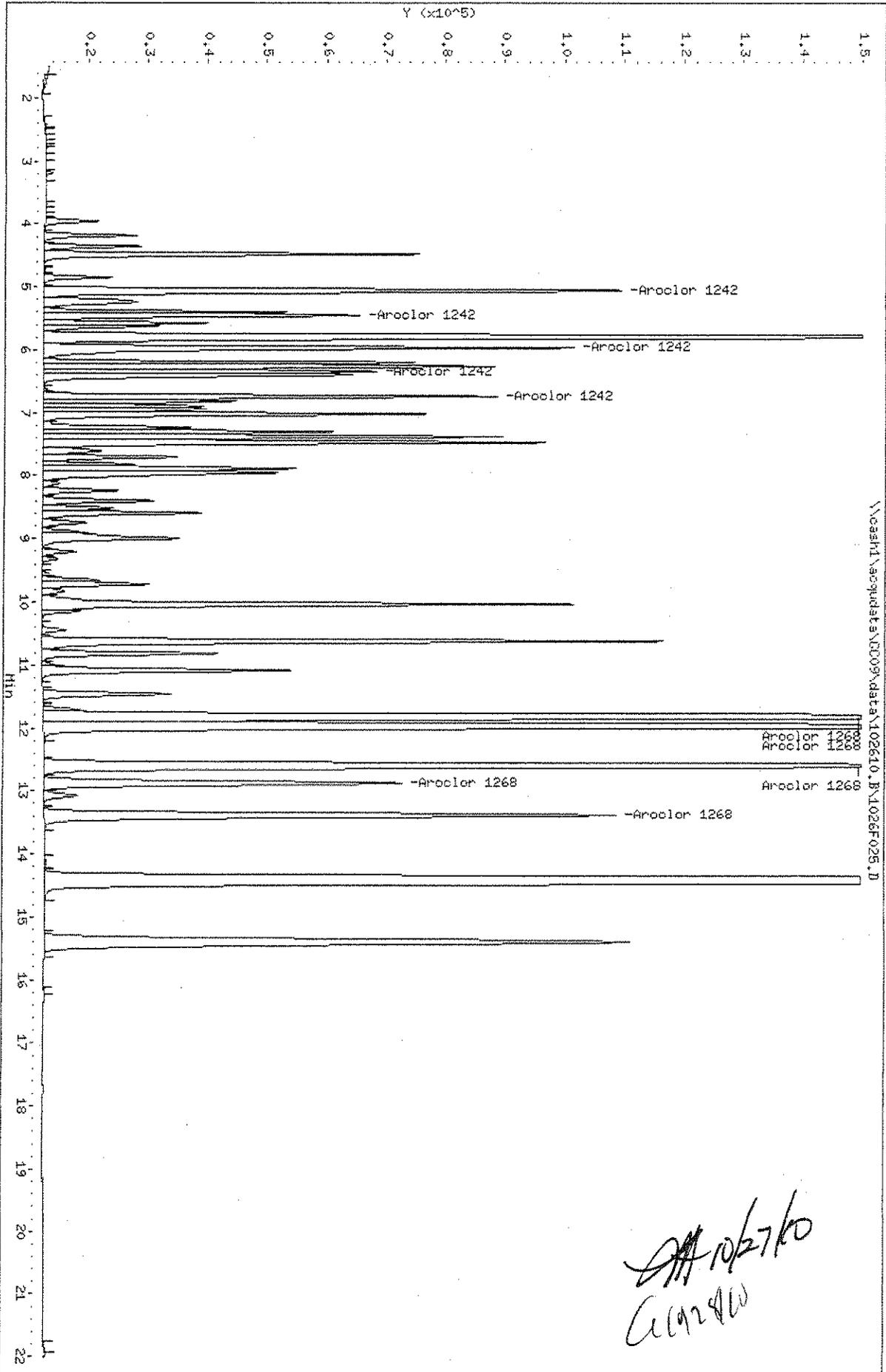
Column phase: DB-35MS

Instrument: 0009.1

Operator: LHarris

Column diameter: 0.53

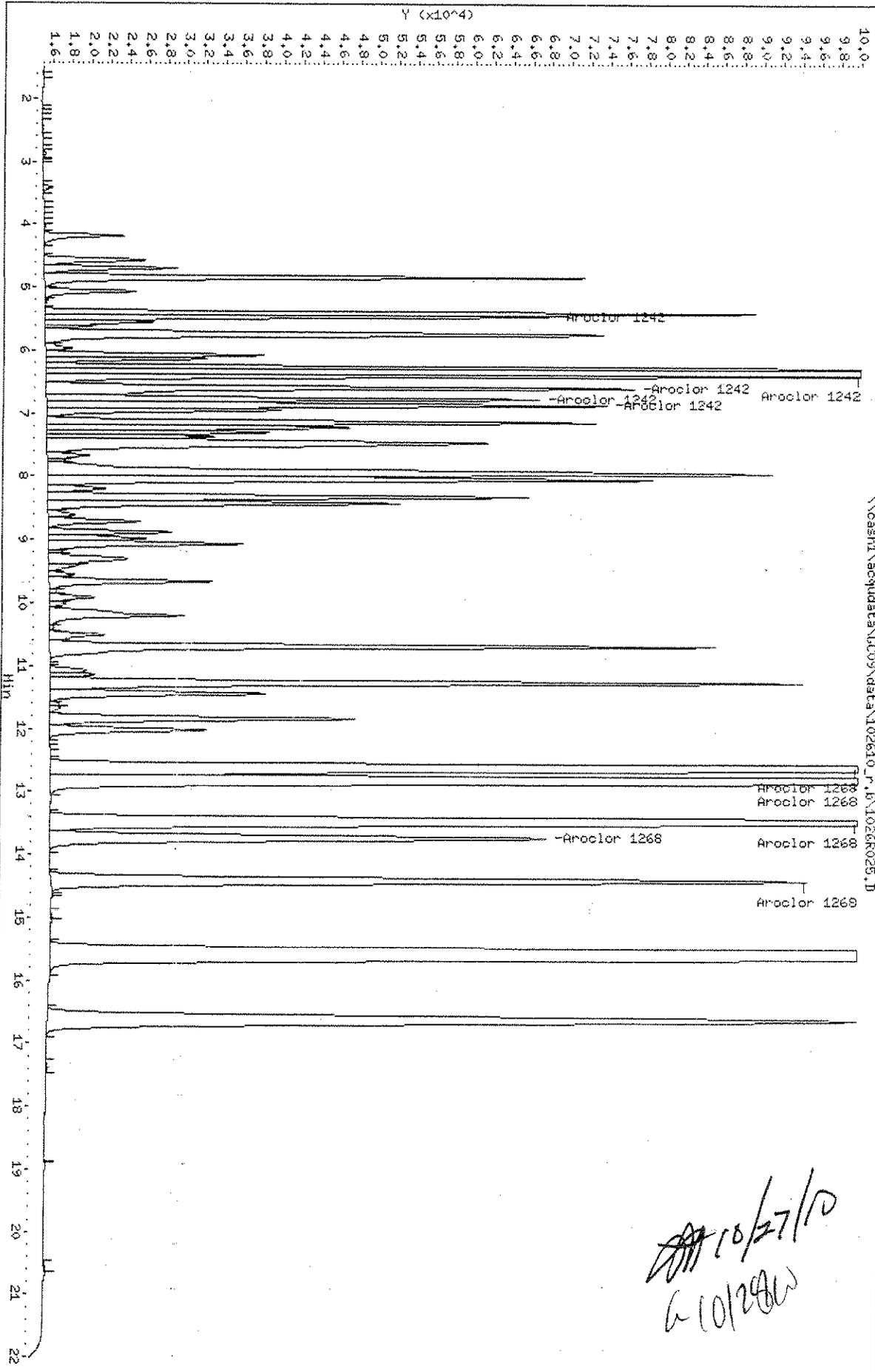
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Data File: \\nasnl\acq\data\GC09\data\102610_r.b\1026R025.D
Date: 27-OCT-2010 09:49
Client ID:
Sample Info: 1242/1268 @ 2000ppb | PC85-64B
Column phase: DB-XLB

Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53

\\nasnl\acq\data\GC09\data\102610_r.b\1026R025.D



10/27/10
W 10/28/10

Data File: \\cash1\acqdata\GC09\data\102610.B\1026F026.D
Report Date: 27-Oct-2010 14:49

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F026.D
Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R026.D
Inj Date : 27-OCT-2010 10:15
Sample Info: 1242/1268 @ 5000ppb | PCB5-64C
Misc Info :
Cal Date : 27-OCT-2010 12:44
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

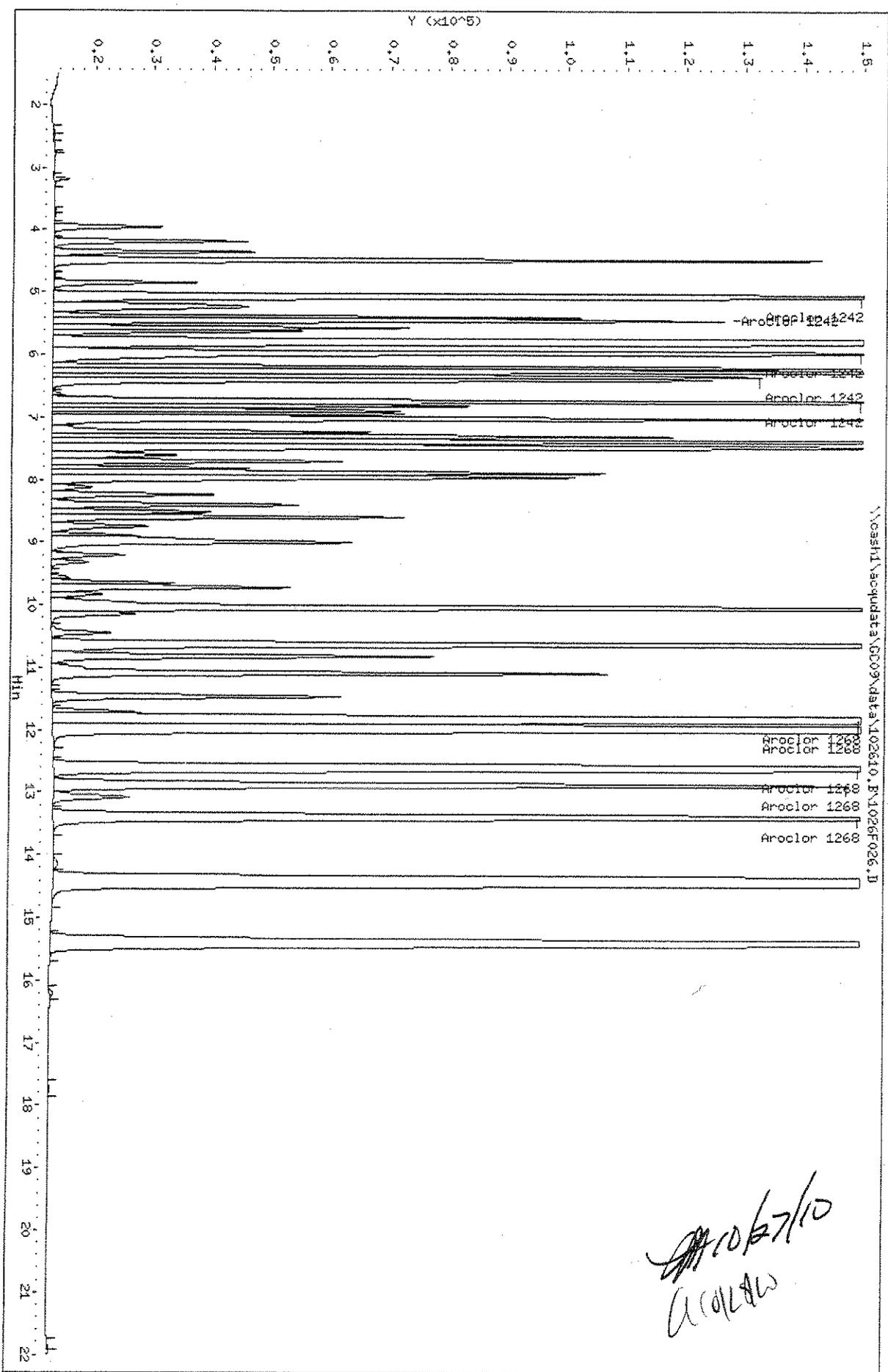
Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : 1242+1268.sub
Sub List #2 : 1242+1268.sub
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target	Range	Ratio
Aroclor 1242	5.053	5.447	889540	370187	3250	4030	80.00-	120.00	100.00
	5.450	6.377	394912	696340	3610	3620	31.14-	46.71	44.40
	5.963	6.587	772336	610654	3480	4180	61.93-	92.90	86.82
	6.343	6.763	381719	422214	3190	3730	32.29-	48.44	42.91
	6.737	6.860	564500	512187	3410	3750	48.04-	72.05	63.46
	Average of Peak Amounts =				3390	3660			
Aroclor 1268	11.817	12.610	3102095	3060168	3550	3680	80.00-	120.00	100.00
	11.967	12.813	2912887	2881164	3780	3770	72.24-	108.36	93.90
	12.597	13.467	2356830	2364270	3780	3760	58.58-	87.86	75.98
	12.877	13.733	653176	724573	4250	4090	12.82-	19.23	21.06
	13.387	14.410	1119425	1133667	4100	4060	23.76-	35.64	36.05
	Average of Peak Amounts =				3890	3870			

Handwritten signature and date:
10/27/10
ACQ/MSD

Data File: \\cashi\acquadata\GC09\data\102610.P\1026F026.D
Date: 27-OCT-2010 10:15
Client ID:
Sample Info: 1242/1268 @ 5000ppb I PCB5-64C
Column phase: HP-35MS

Instrument: GC09.1
Operator: LHarris
Column diameter: 0.53



Data File: \\cash1\acqdata\GC09\data\102610.B\1026F027.D
Report Date: 27-Oct-2010 14:49

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F027.D
Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R027.D
Inj Date : 27-OCT-2010 10:42
Sample Info: 1248 @ 25ppb | PCB5-64D
Misc Info :
Cal Date : 27-OCT-2010 13:49
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026I0_r.m
Sub List #1 : AR1248.SUB
Sub List #2 : AR1248.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

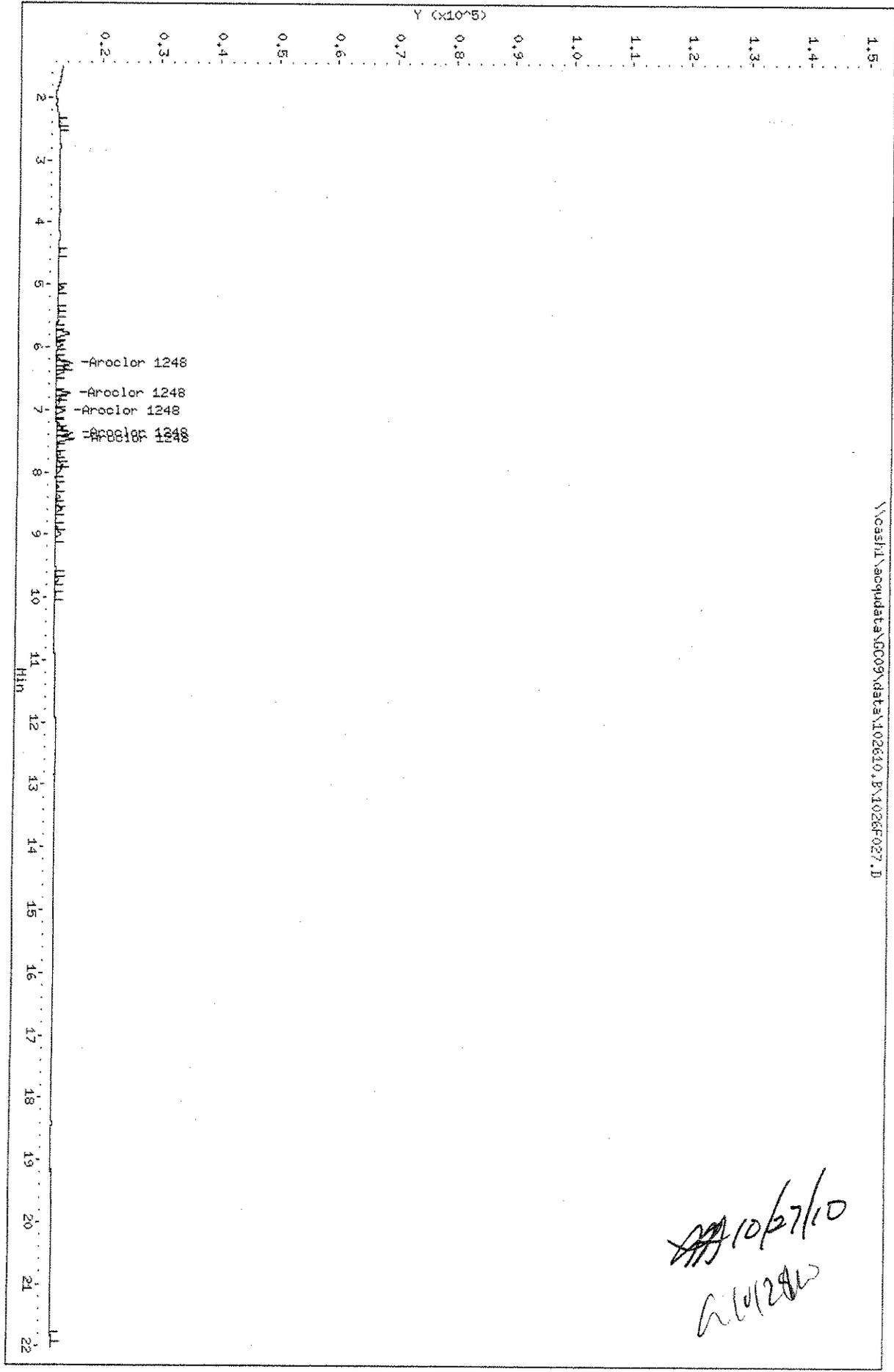
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1248	6.263	6.860	8981	6496	33.9	30.8	80.00- 120.00	100.00
	6.740	7.130	7911	6795	32.4	30.2	70.47- 105.71	88.09
	7.017	7.943	5883	14616	30.5	31.4	52.40- 78.60	65.50
	7.380	8.040	9198	7944	31.9	29.0	81.94- 122.90	102.42
	7.470	8.320	10813	7233	32.4	30.0	96.32- 144.48	120.40
	Average of Peak Amounts =				32.2	30.3		

*Handwritten signature and date: 10/27/10
A. W. W.*

Data File: \\cashi\accudata\GC09\data\102610.B\1026F027.D
 Date: 27-OCT-2010 10:42
 Client ID:
 Sample Info: 1248 @ 25ppb | PCB5-64D
 Column phase: DB-35MS

Instrument: GC09.i
 Operator: LHarris
 Column diameter: 0.53

\\cashi\accudata\GC09\data\102610.B\1026F027.D



Handwritten signature and date:
 10/27/10
 LHarris

Data File: \\voashh1\acq\data\GC09\data\102610_r.b\1026R027.D

Date: 27-OCT-2010 10:42

Client ID:

Sample Info: 1248 @ 25ppb | PCR5-64D

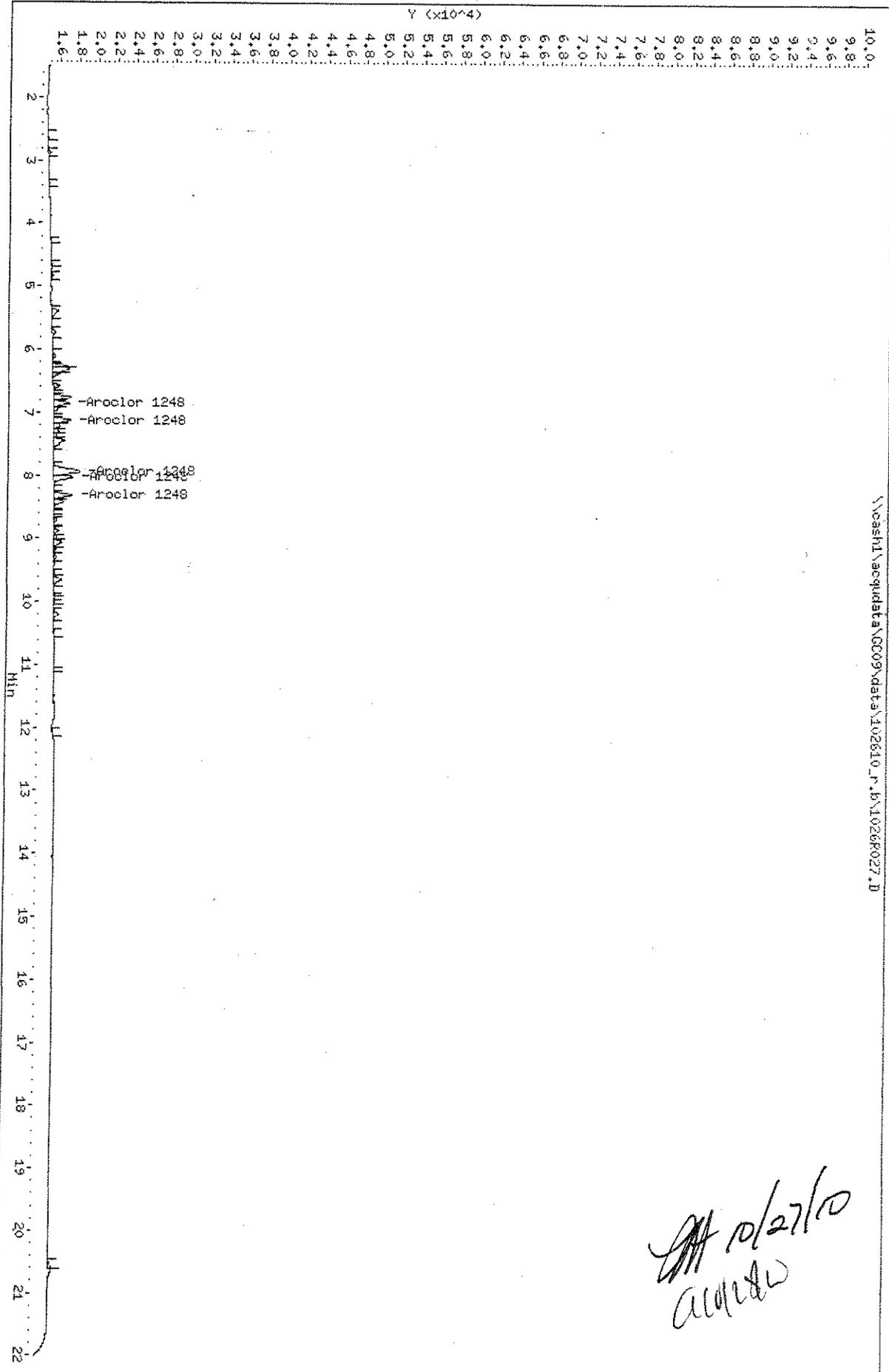
Column phase: DB-MLB

Instrument: GC09.1

Operator: LHarris

Column diameter: 0.53

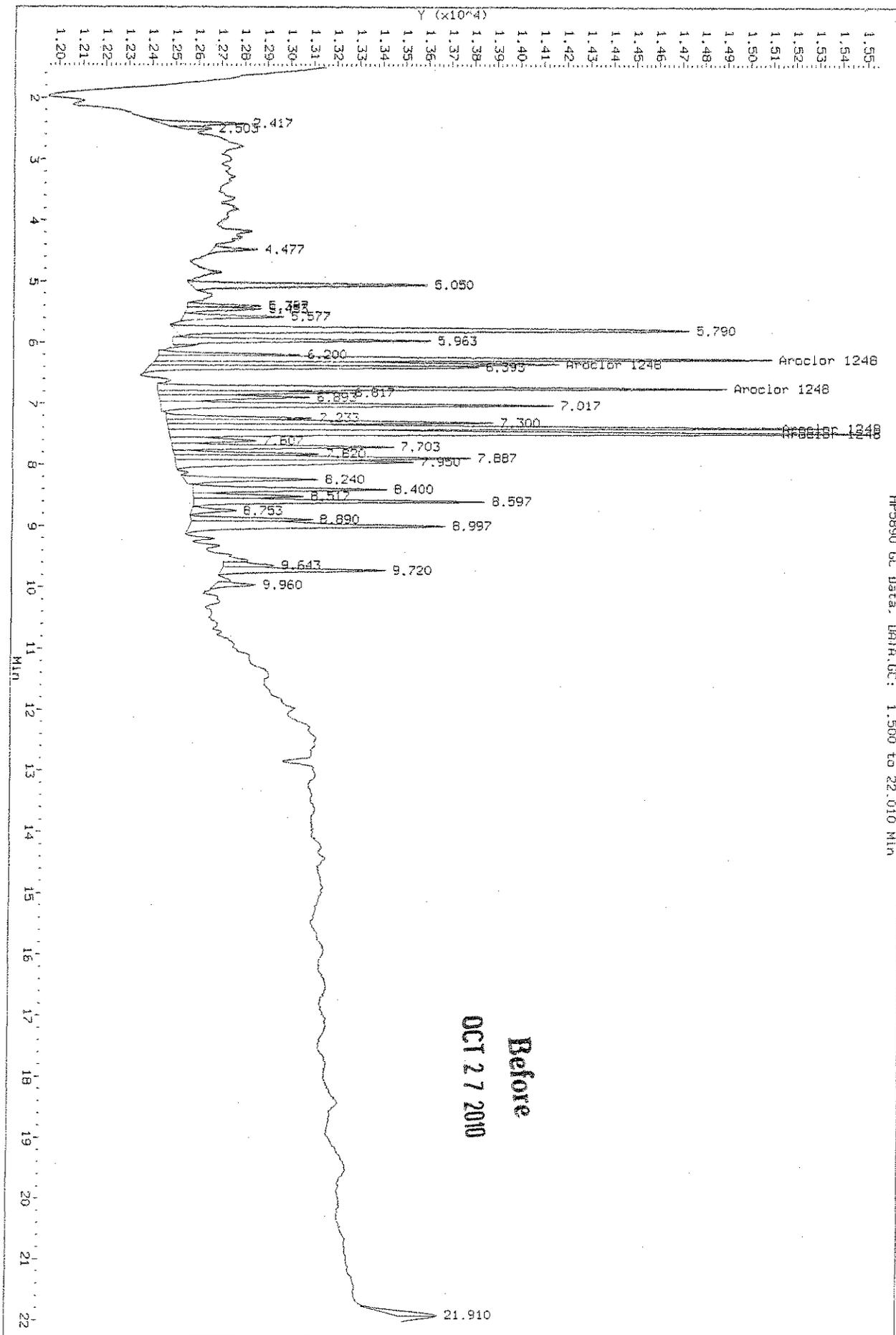
\\voashh1\acq\data\GC09\data\102610_r.b\1026R027.D



Handwritten signature and date: 10/27/10
ALW

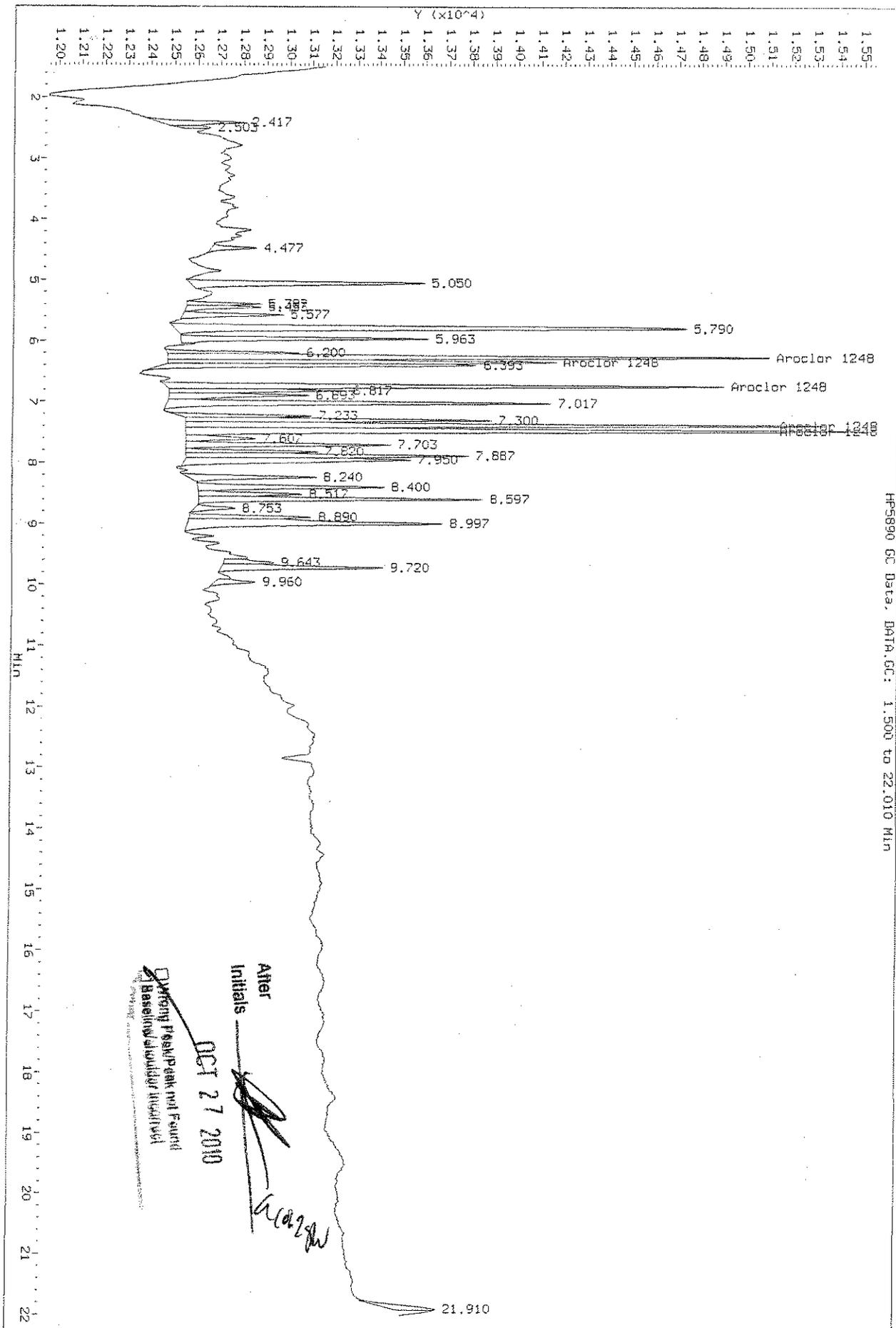
Data File: \\ncash1\seqdata\GC09\data\102610_B110261027.D
 Injection Date: 27-Oct-2010 10:42
 Instrument: GC09.1
 Client Sample ID:

HP5890 GC Data, DATA.GC: 1.500 to 22.010 Min



Data File: \\ceshi\acq\data\GC09\data\102610.B\1026F027.B
 Injection Date: 27-OCT-2010 10:42
 Instrument: GC09.1
 Client Sample ID:

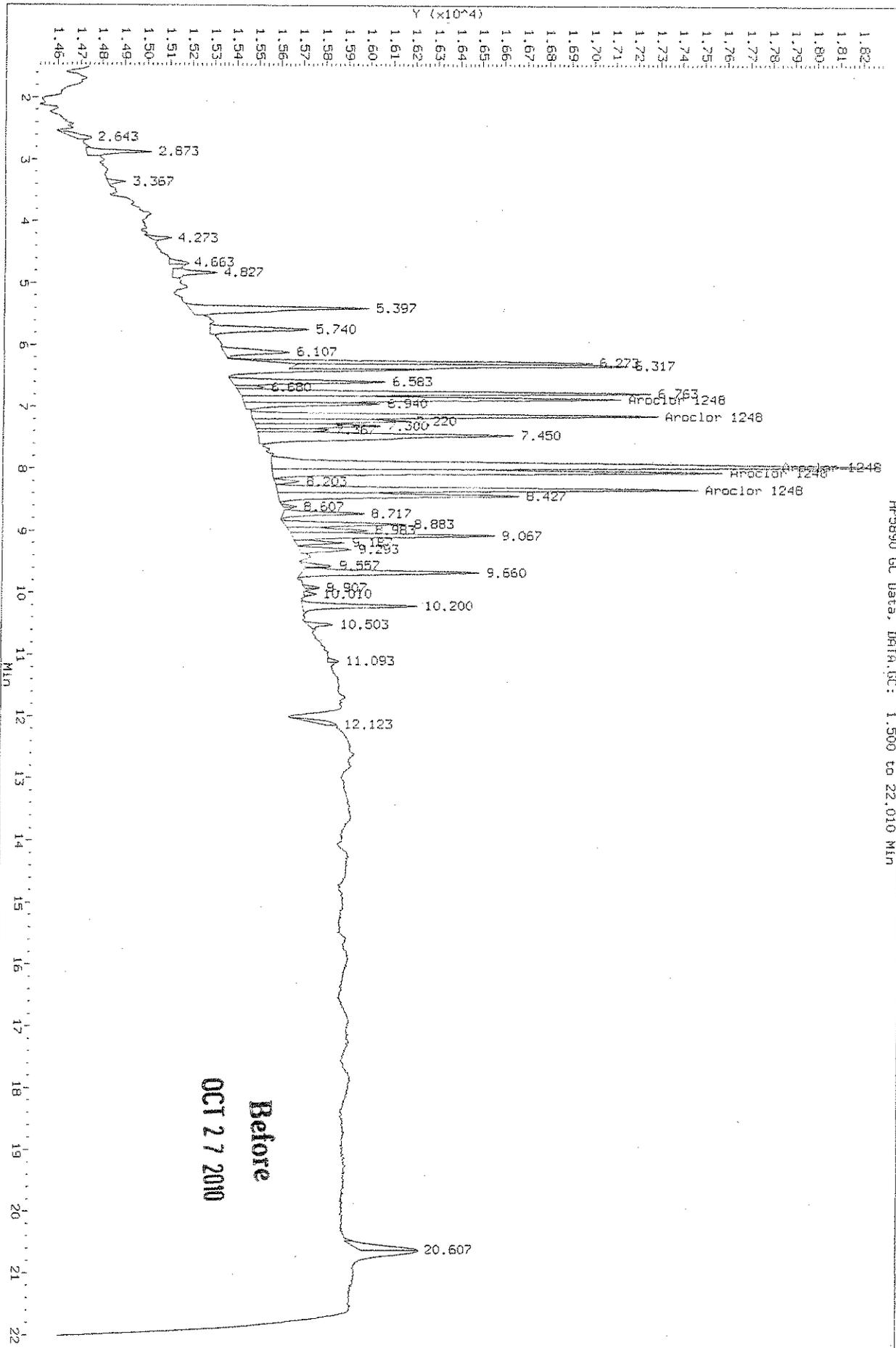
HP5890 GC Data, DATA.GC: 1.500 to 22.010 Min



Alter Initials *[Signature]*
 OCT 27 2010
 Different Peak Peak not Found
 Baseline/Standard Inconsistent

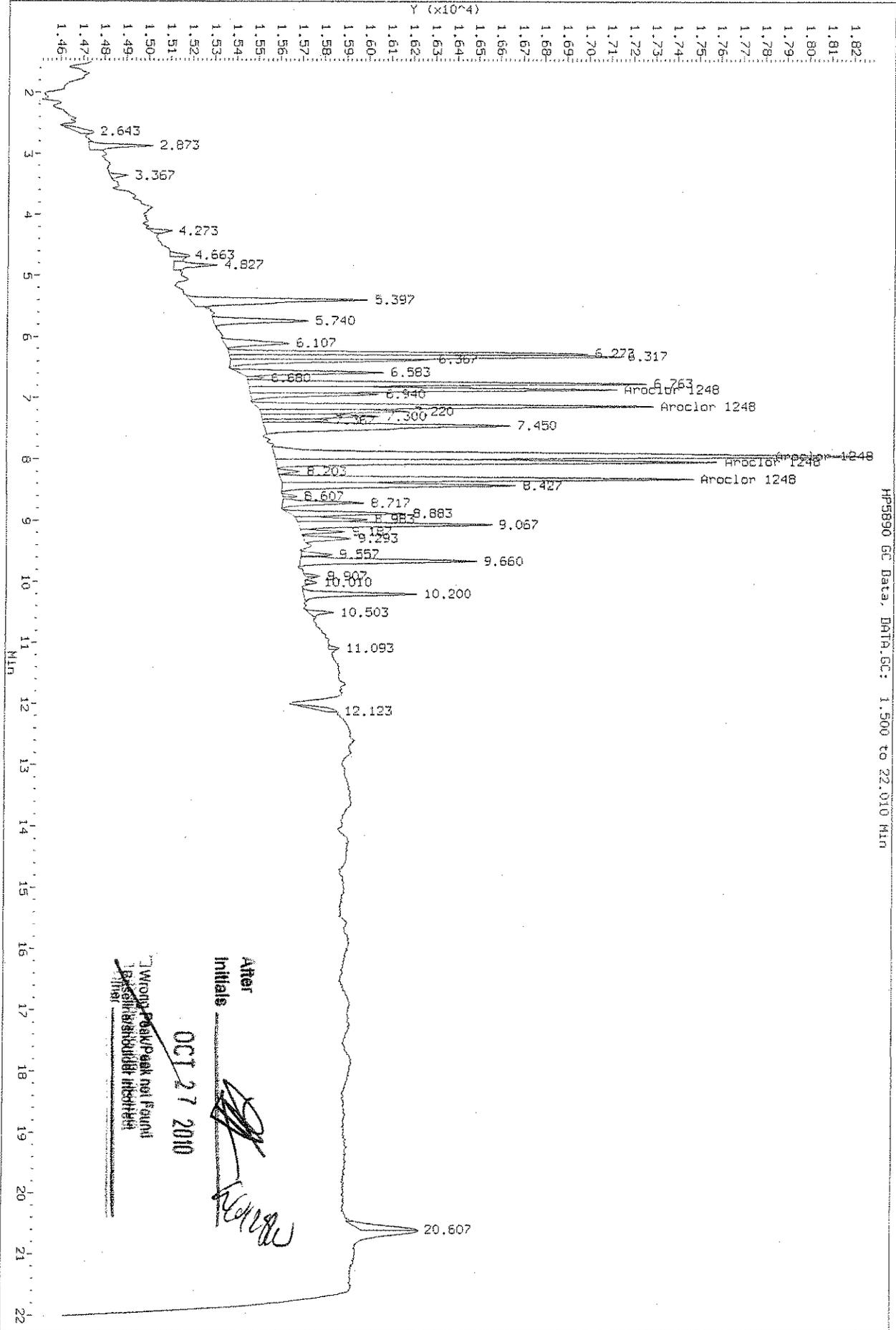
Data File: \\casha1\accdata\GC09\data\102610_r.b\1026R027.D
 Injection Date: 27-Oct-2010 10:42
 Instrument: GC09.1
 Client Sample ID:

HP5890 GC Data, DATA.GC: 1.500 to 22.010 MIN



Data File: \\cash1\acq\data\GC09\data\102610_r_b\1026R027.D
 Injection Date: 27-OCT-2010 10:42
 Instrument: GC09.1
 Client Sample ID:

HP5890 GC Data, Data.GC: 1.500 to 22.010 Min



After
 Initials *[Signature]*
 OCT 27 2010
 WOOD PARK real FOUND
 102610
 Initials *[Signature]*

Data File: \\cash1\acqdata\GC09\data\102610.B\1026F028.D
Report Date: 27-Oct-2010 14:49

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F028.D
Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R028.D
Inj Date : 27-OCT-2010 11:08
Sample Info: 1248 @ 50ppb | PCB5-64E
Misc Info :
Cal Date : 27-OCT-2010 13:47
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1248.SUB
Sub List #2 : AR1248.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

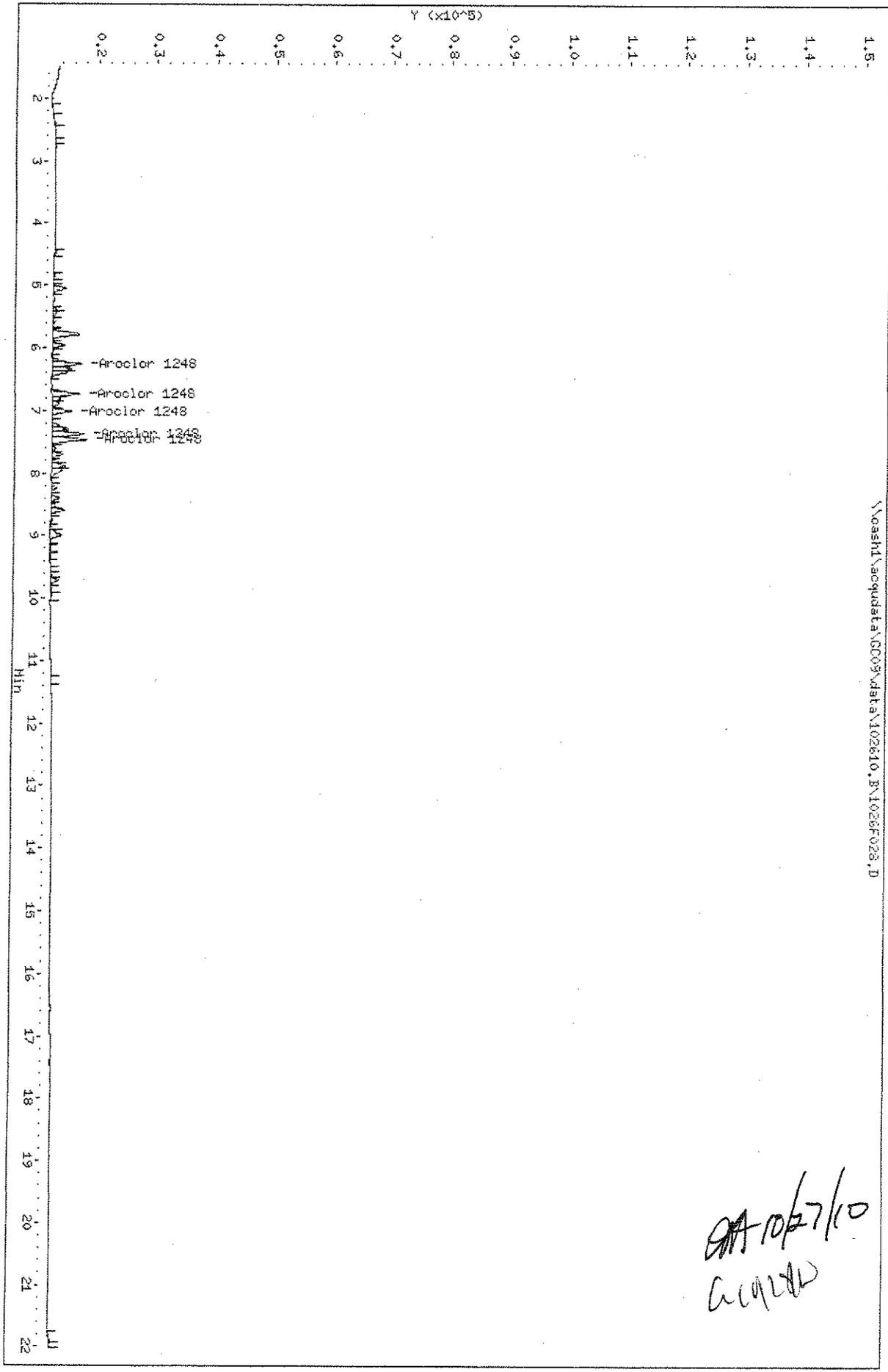
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1248	6.260	6.857	17546	12542	66.2	59.4	80.00- 120.00	100.00
	6.737	7.130	15621	13318	78.0	59.1	70.47- 105.71	89.03
	7.017	7.943	11601	27862	53.4	59.8	52.40- 78.60	66.12
	7.377	8.040	18687	16115	65.6	58.9	81.94- 122.00	107.64
	7.470	8.317	21580	14364	64.7	59.5	96.32- 144.48	122.99
			Average of Peak Amounts =		65.6	59.3		

Handwritten signature and date:
10/27/10
A Harris

Data File: \nossh\vacqudata\GC09\data\102610.B\1026F028.D
Date: 27-OCT-2010 11:08
Client ID:
Sample Info: 1248 @ 50ppb | PCB5-64E
Column phase: DB-35MS

Instrument: GC09.1
Operator: LHMris
Column diameter: 0.53

\nossh\vacqudata\GC09\data\102610.B\1026F028.D

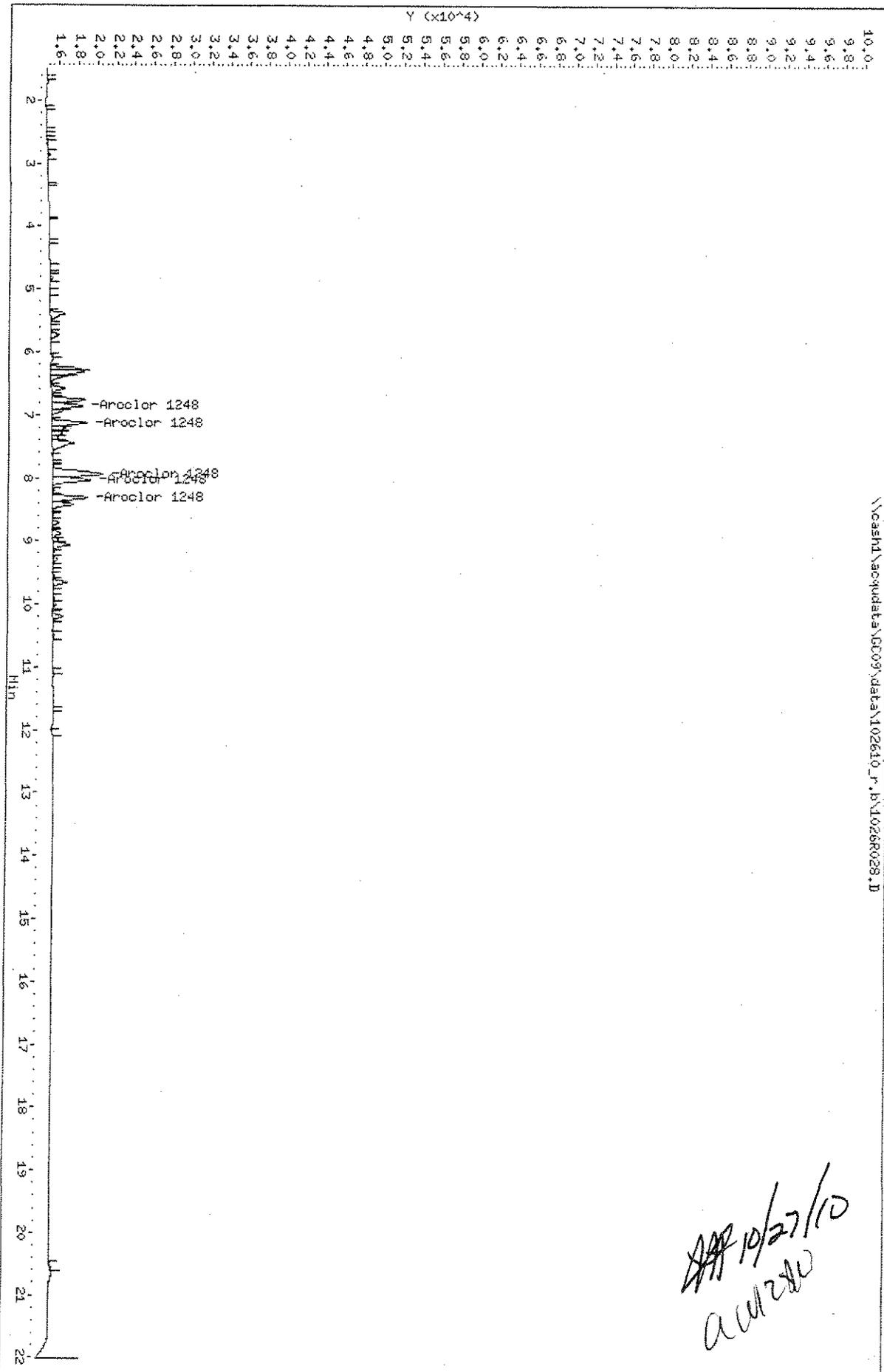


Handwritten signature and date:
10/27/10
G. G. [Signature]

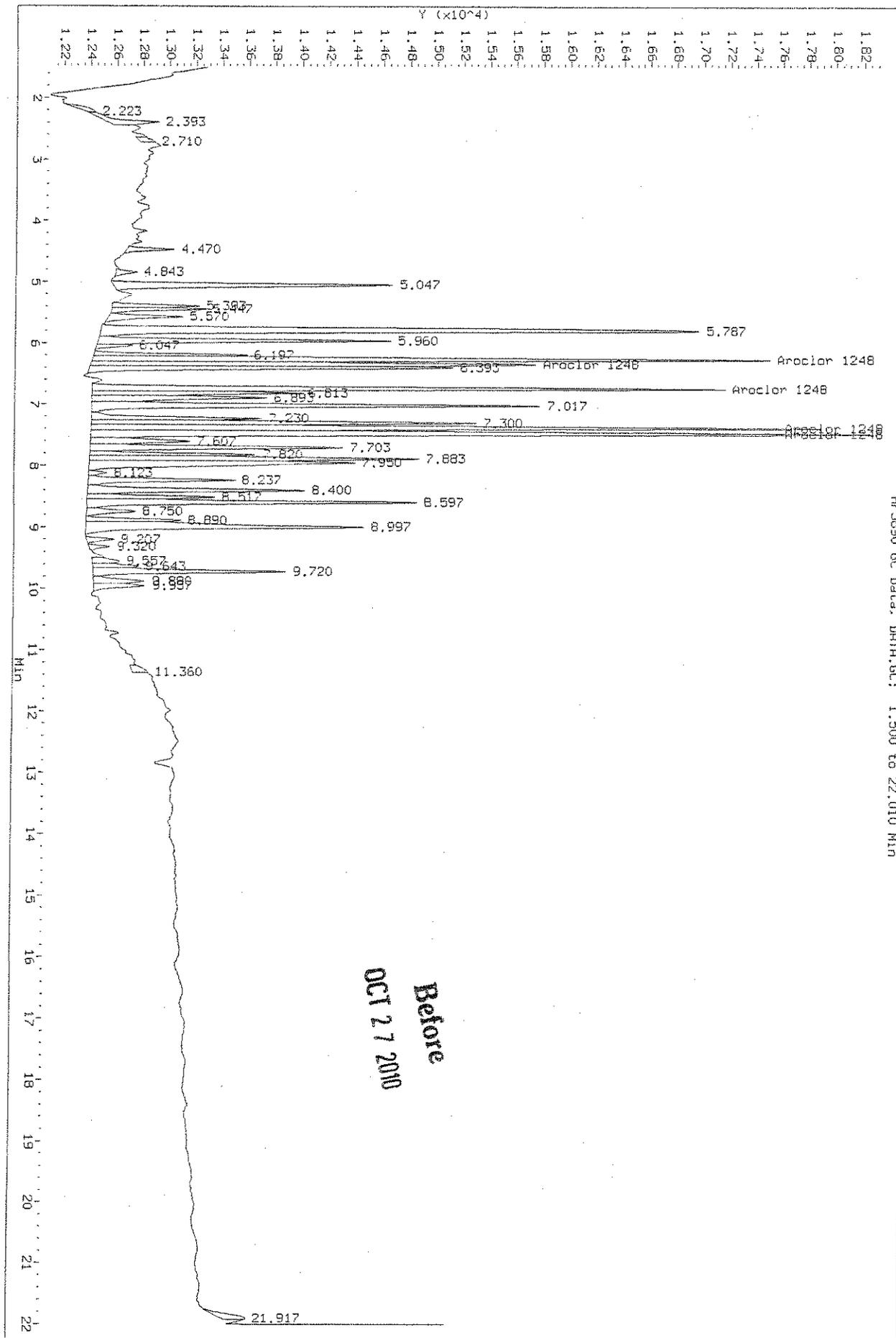
Data File: \\cashd\acq\data\GC09\data\102610_r.b\1026R028.D
Date: 27-OCT-2010 11:08
Client ID:
Sample Info: 1248 @ Sopph I PCBs-64E
Column phase: IB-XLR

Instrument: GC09.1
Operator: LHarris
Column diameter: 0.53

\\cashd\acq\data\GC09\data\102610_r.b\1026R028.D



Data File: \\veshni\acq\data\GC09\data\102610.B\10261028.D
 Injection Date: 27-OCT-2010 11:08
 Instrument: GC09.1
 Client Sample ID:

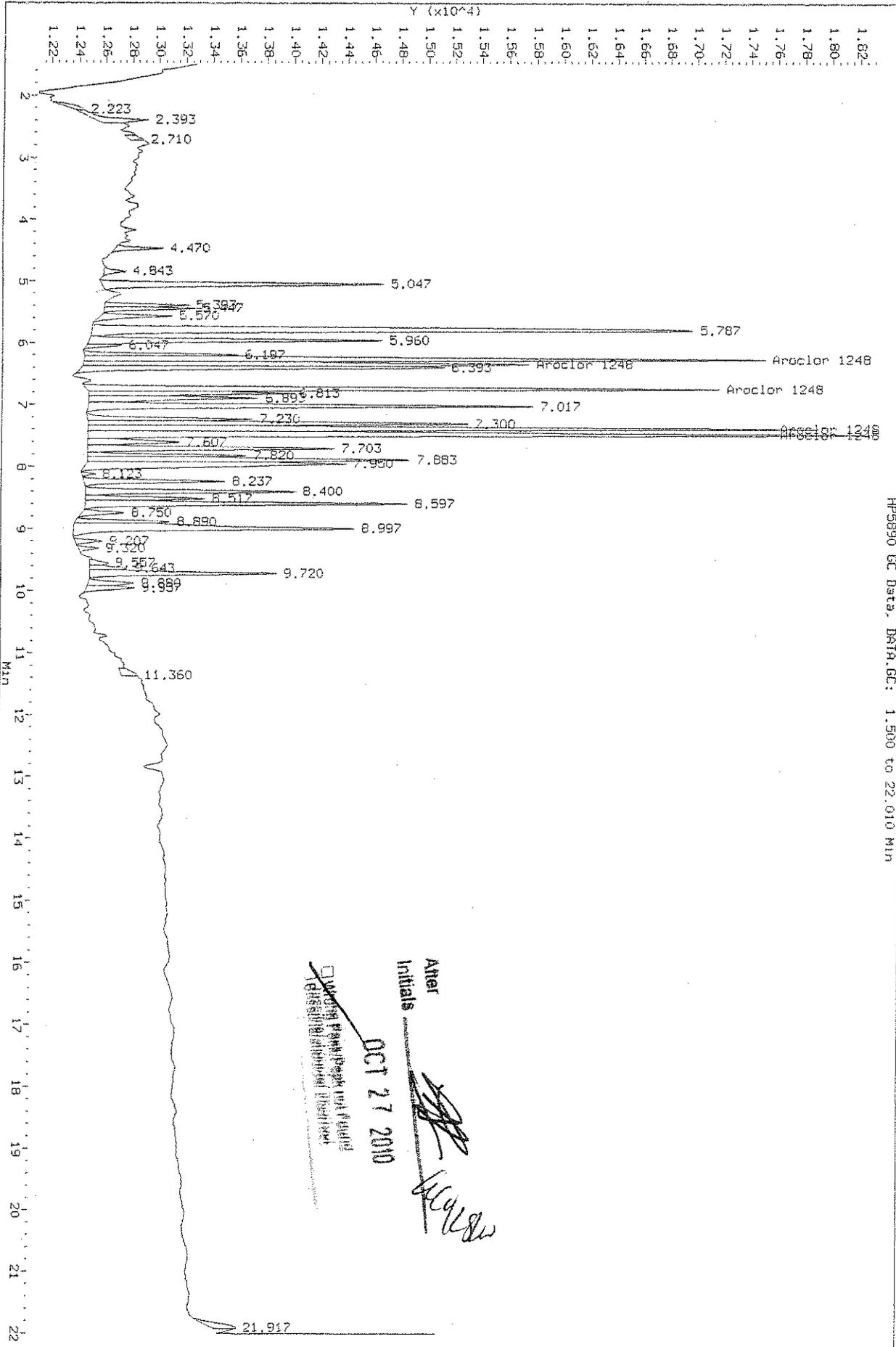


HP5890 GC Data, DATA.GC: 1.500 to 22.010 Min

Before
 OCT 27 2010

Data File: \\cash1\acq\data\GC09\data\102610.B\10261028.D
 Injection Date: 27-OCT-2010 11:08
 Instrument: GC09.1
 Client Sample ID:

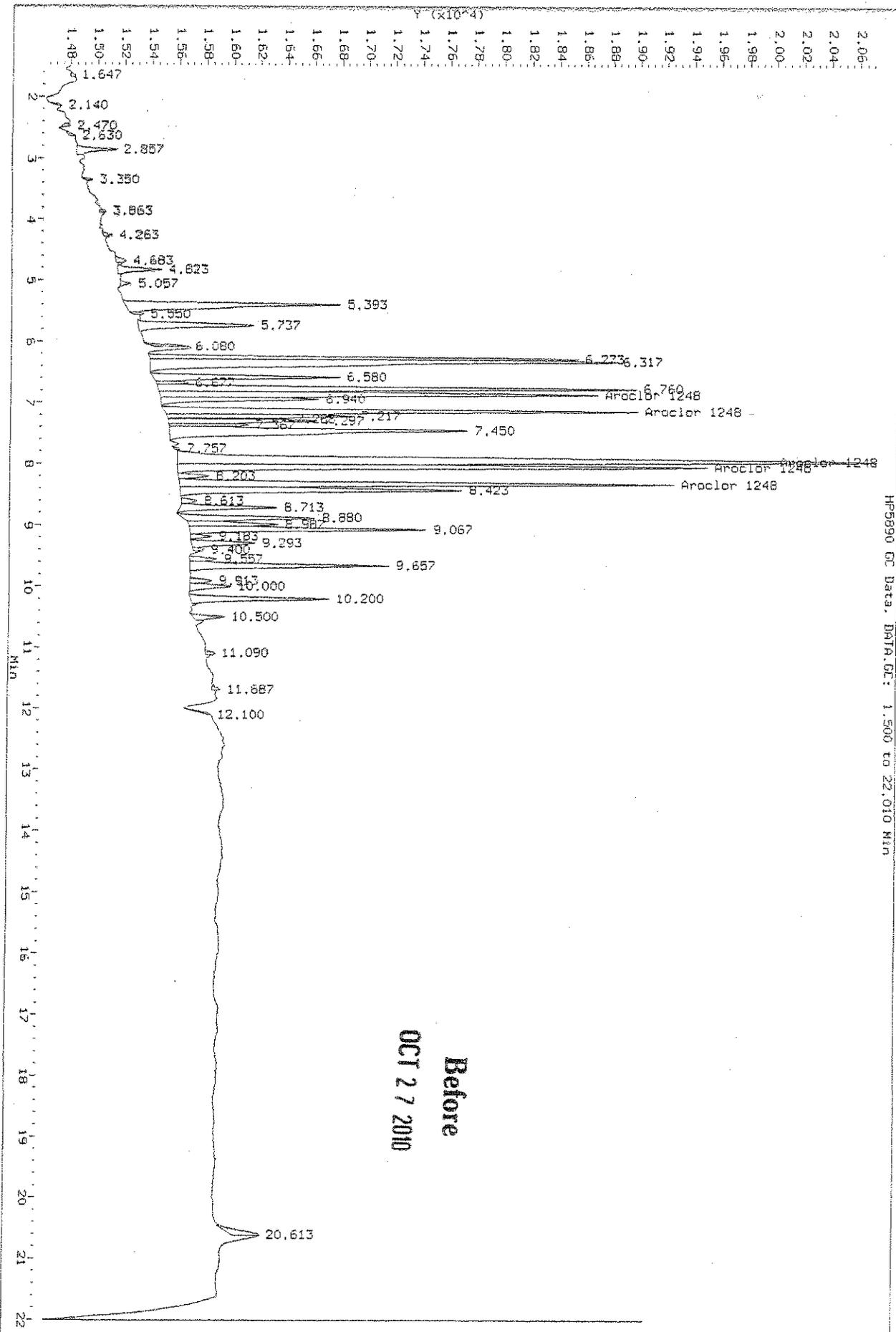
HP5890 GC Data, DATA.GC: 1.500 to 22.010 Min



After Initials *[Signature]*
 Working from Peak Data File
 GC09.1
 10261028.D
 OCT 27 2010

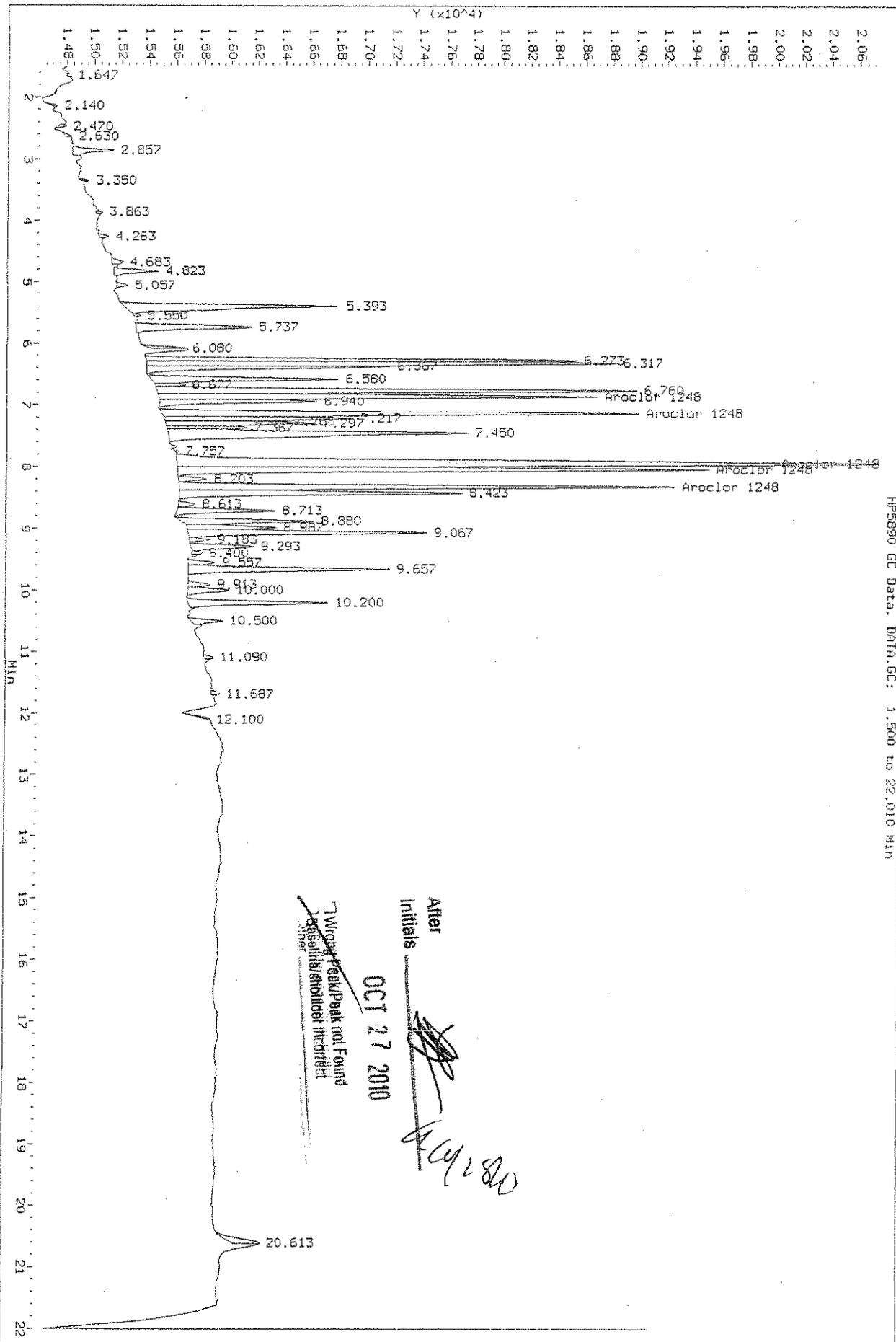
Data File: \\veshi\acq\data\GC09\data\102610_r_b\1026R028.D
 Injection Date: 27-OCT-2010 11:08
 Instrument: GC09.1
 Client Sample ID:

HP5890 GC Data, DATA.GC: 1.500 to 22.010 MIN



Before
 OCT 27 2010

Data File: \\cash\yacq\data\GC09\data\102610_r_b\1026R028.D
 Injection Date: 27-OCT-2010 11:08
 Instrument: GC09.1
 Client Sample ID:



Data File: \\cash1\acqdata\GC09\data\102610.B\1026F029.D
Report Date: 27-Oct-2010 14:49

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F029.D
Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R029.D
Inj Date : 27-OCT-2010 11:35
Sample Info: 1248 @ 500ppb | PCB5-64F
Misc Info :
Cal Date : 27-OCT-2010 13:47
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1248.SUB
Sub List #2 : AR1248.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

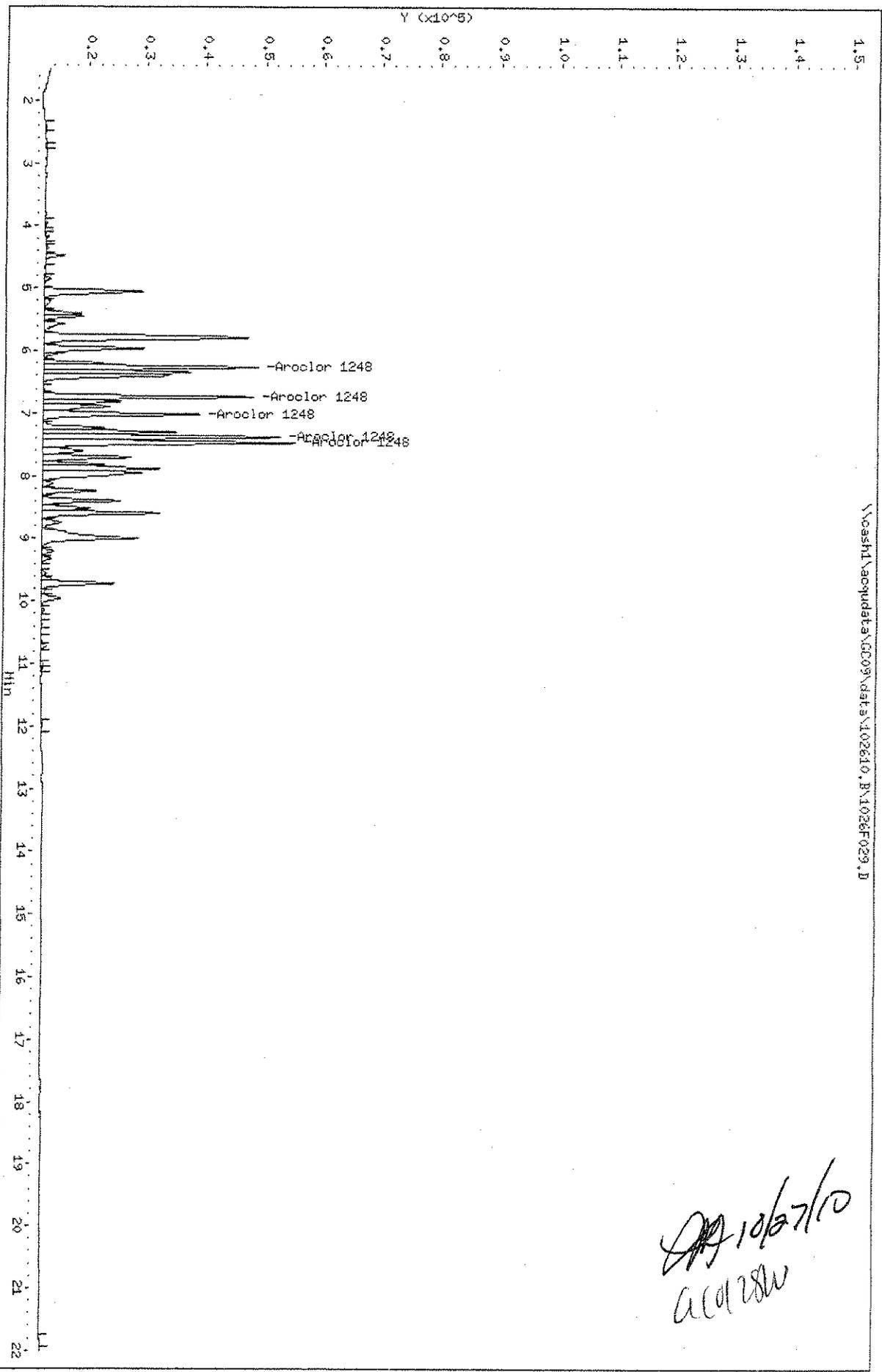
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1248	6.260	6.860	131604	99696	496	467	80.00- 120.00	100.00
	6.737	7.130	121673	107833	574	474	70.47- 105.71	92.45
	7.017	7.947	96827	215796	464	462	52.40- 78.60	73.57
	7.377	8.040	143465	132268	498	481	81.94- 122.90	109.01
	7.470	8.317	165911	113773	498	469	96.32- 144.48	126.07
		Average of Peak Amounts =			506	471		

*SM 10/27/10
AR1248*

Data File: \\noashd\acq\data\GC09\data\102610.B\1026F029.D
Date: 27-Oct-2010 11:35
Client ID:
Sample Info: 1248 @ 500ppb | PCB5-64F
Column phase: DB-35MS

Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53

\\noashd\acq\data\GC09\data\102610.B\1026F029.D



Handwritten signature and date:
10/27/10
AC028W

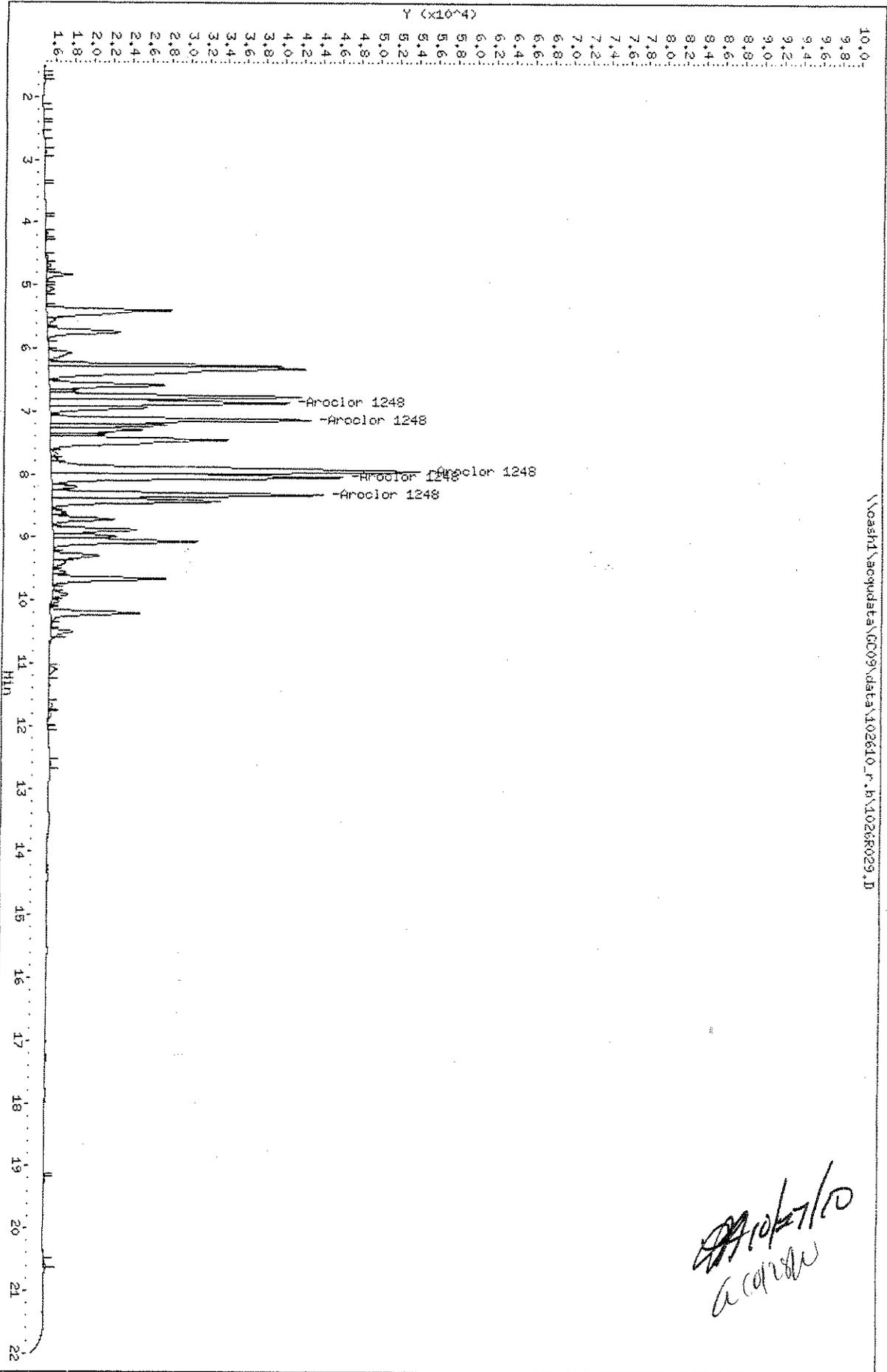
Data File: \\noashd\accudata\GC09\data\102610_r.b\1026R029.D
Date: 27-OCT-2010 11:35

Client ID:
Sample Info: 1248 @ 500ppb | PCBs-C4F
Column phase: DB-XLB

Instrument: GC09.1
Operator: LHarris
Column diameter: 0.53

\\noashd\accudata\GC09\data\102610_r.b\1026R029.D

*10/27/10
LHarris*



Data File: \\cash1\acqdata\GC09\data\102610.B\1026F030.D
Report Date: 27-Oct-2010 14:49

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F030.D
Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R030.D
Inj Date : 27-OCT-2010 12:01
Sample Info: 1248 @ 1000ppb | PCB5-64G
Misc Info :
Cal Date : 27-OCT-2010 13:47
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1248.SUB
Sub List #2 : AR1248.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1248	6.260	6.860	233137	181640	879	851	80.00- 120.00	100.00
	6.737	7.130	223009	194383	995	855	70.47- 105.71	95.66
	7.017	7.943	182223	395310	902	846	52.40- 78.60	78.16
	7.377	8.040	260206	241421	903	878	81.94- 122.90	111.61
	7.470	8.317	301844	209182	905	863	96.32- 144.48	129.47
	Average of Peak Amounts =				917	859		

Handwritten signature and date: 10/27/10

Data File: \\noash1\acq\data\GC09\data\102610.B\1026F030.D

Date: 27-OCT-2010 12:01

Client ID:

Sample Info: 1248 @ 1000ppb | PCB5-640

Column Phase: DB-35MS

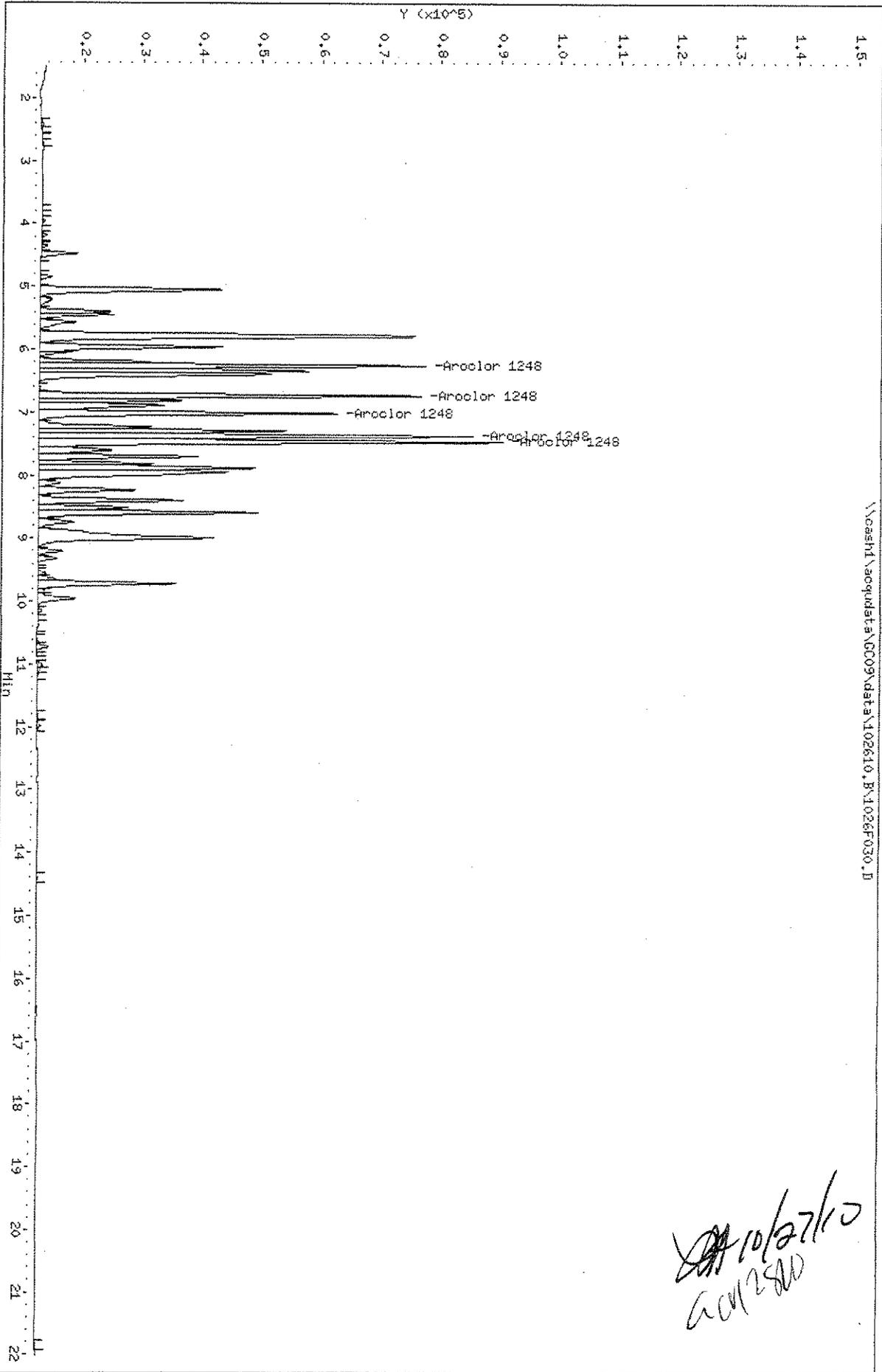
Instrument: GC09.1

Operator: L.Harris

Column diameter: 0.53

\\noash1\acq\data\GC09\data\102610.B\1026F030.D

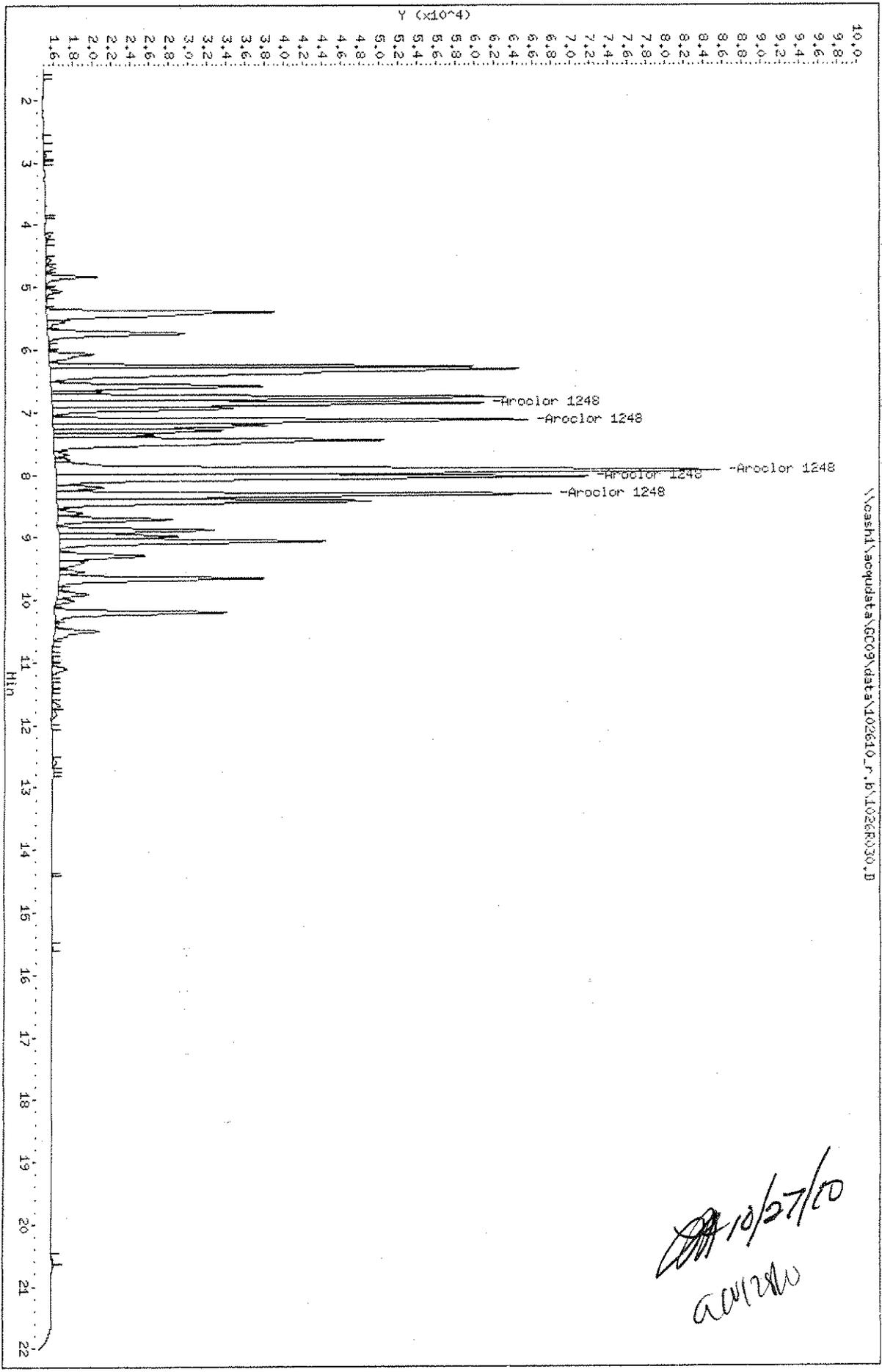
Handwritten signature and date: 10/27/10



Data File: \ncash\acq\data\GC09\data\102610_r_b\1026R030.D
 Date: 27-OCT-2010 12:01
 Client ID:
 Sample Info: 1248 @ 1000ppb | PCB5-648
 Column phase: DB-XLB

Instrument: GC09.1
 Operator: LHarris
 Column diameter: 0.53

\ncash\acq\data\GC09\data\102610_r_b\1026R030.D



Data File: \\cash1\acqdata\GC09\data\102610.B\1026F031.D
Report Date: 27-Oct-2010 14:49

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F031.D
Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R031.D
Inj Date : 27-OCT-2010 12:28
Sample Info: 1248 @ 2000ppb | PCB5-64H
Misc Info :
Cal Date : 27-OCT-2010 13:47
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610 f.m
Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1248.SUB
Sub List #2 : AR1248.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1248	6.260	6.860	413326	328277	1560	1550	80.00- 120.00	100.00
	6.737	7.130	398492	355317	1700	1580	70.47- 105.71	96.41
	7.017	7.943	333468	724269	1700	1550	52.40- 78.60	80.68
	7.377	8.040	466353	445046	1620	1620	81.94- 122.90	112.83
	7.470	8.317	539626	386966	1620	1600	96.32- 144.48	130.56
			Average of Peak Amounts =		1640	1580		

10/27/10
ACQ/2800

Data File: \nosash1\acq\data\GC09\data\102610.B\1026F031.D

Date: 27-Oct-2010 12:28

Client ID:

Sample Info: 1248 @ 2000ppb | PCB5-64H

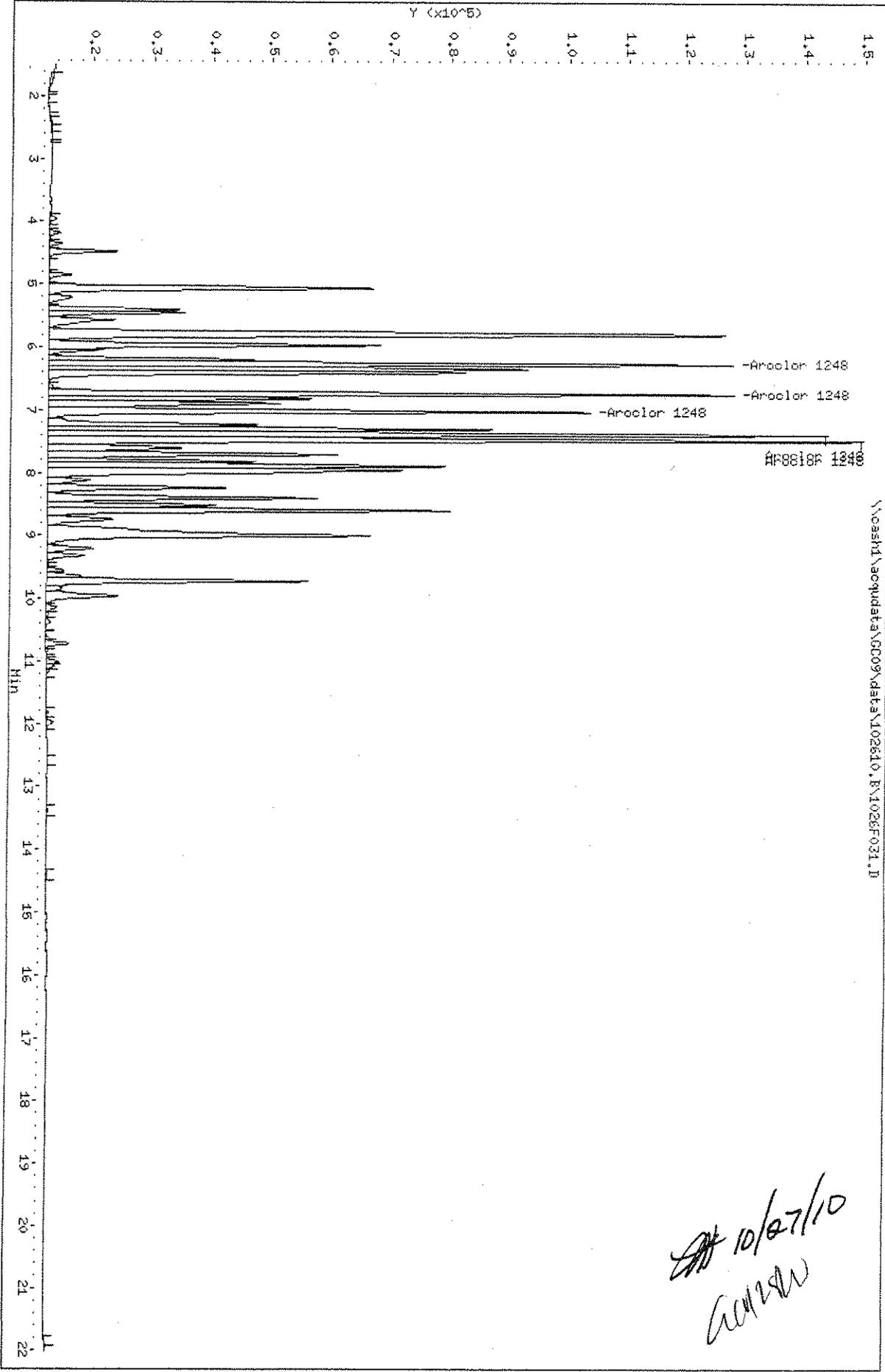
Column phase: DB-35MS

Instrument: GC09.1

Operator: LHarris

Column diameter: 0.53

\nosash1\acq\data\GC09\data\102610.B\1026F031.D



Data File: \nosahd\acq\data\GC09\data\102610_r.b\1026R031.D

Date: 27-OCT-2010 12:28

Client ID:

Sample Info: 1248 @ 2000ppb | PCB5-64H

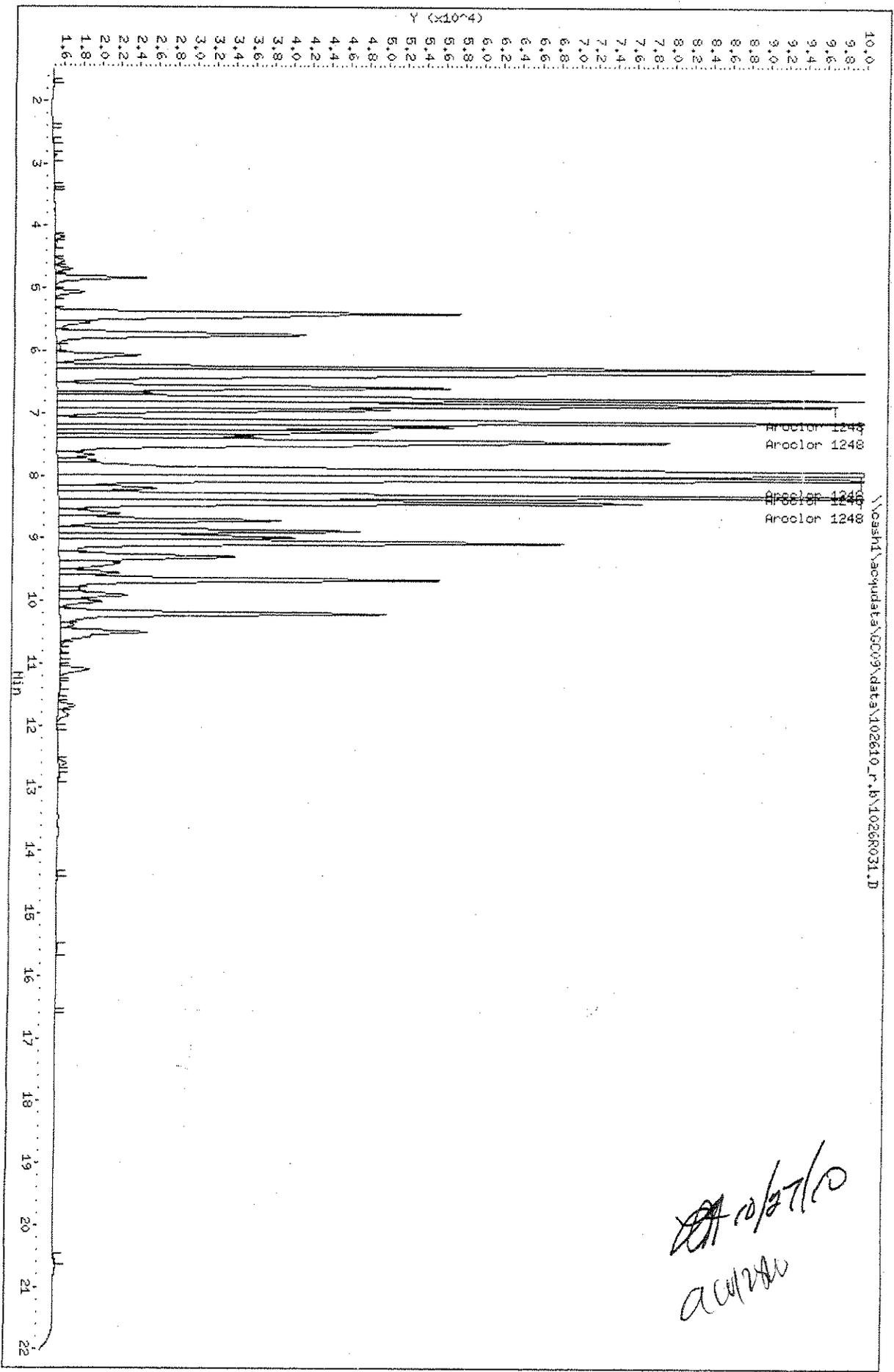
Column Phase: DB-XLB

Instrument: GC09.1

Operator: LHarris

Column diameter: 0.53

\nosahd\acq\data\GC09\data\102610_r.b\1026R031.D



Handwritten signature and date: 10/27/10

Data File: \\cash1\acqdata\GC09\data\102610.B\1026F032.D
Report Date: 27-Oct-2010 14:49

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F032.D
Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R032.D
Inj Date : 27-OCT-2010 12:55
Sample Info: 1248 @ 5000ppb | PCB5-64I
Misc Info :
Cal Date : 27-OCT-2010 13:47
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1248.SUB
Sub List #2 : AR1248.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1248	6.260	6.860	886587	741345	3340	3510	80.00- 120.00	100.00
	6.737	7.130	847744	785045	3470	3490	70.47- 105.71	95.62
	7.017	7.943	737244	1607961	3820	3450	52.40- 78.60	83.16
	7.377	8.040	1010771	986724	3510	3600	81.94- 122.90	114.01
	7.470	8.317	1165129	862558	3490	3570	96.32- 144.48	131.42
		Average of Peak Amounts =			3530	3520		

*10/27/10
A. Harris*

Data File: \\casha1\acq\data\GC09\data\102610.R\1026F032.D

Date: 27-OCT-2010 12:55

Client ID:

Sample Info: 1248 @ 5000ppb | PCB5-641

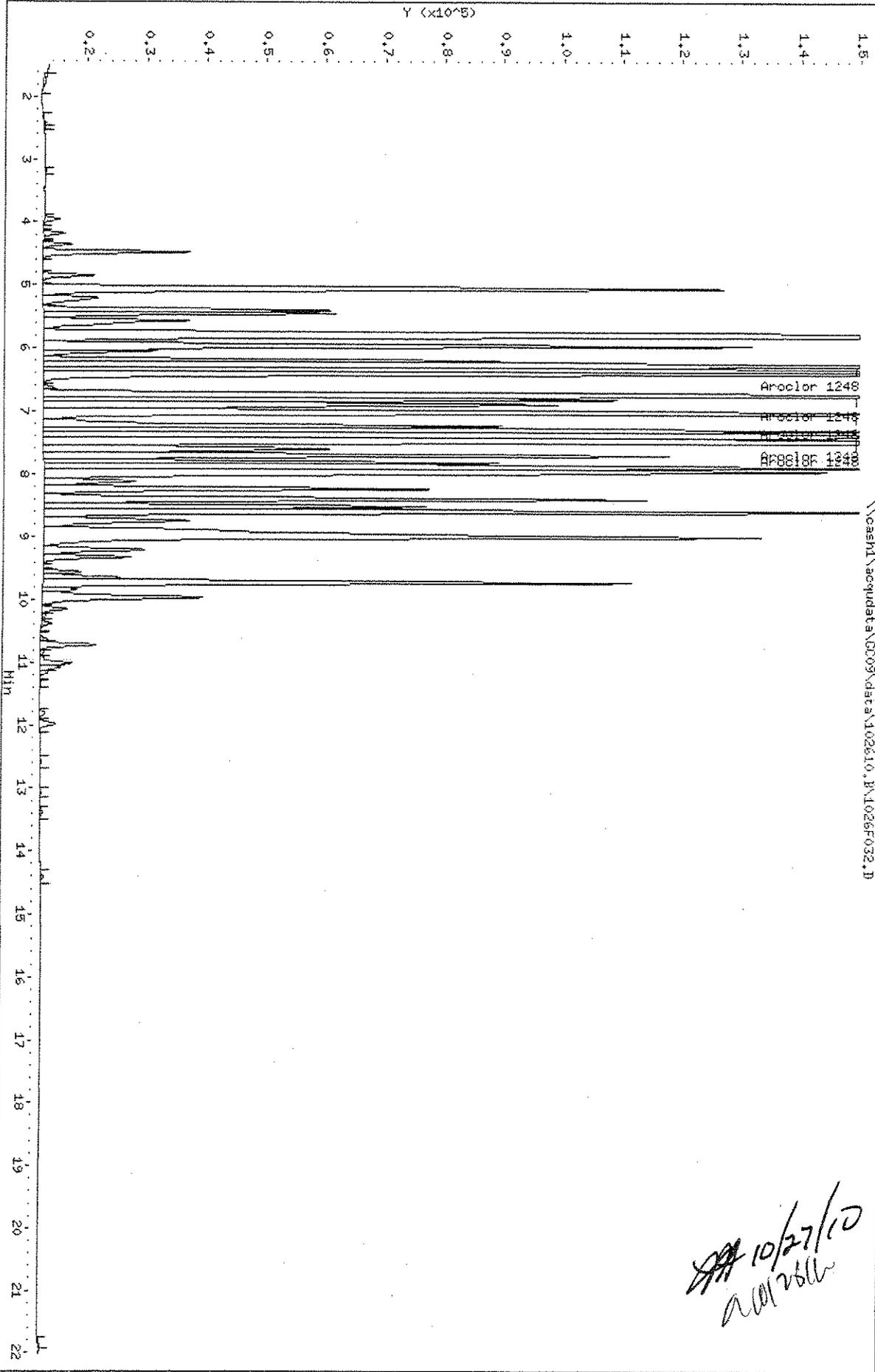
Column Phase: DB-35MS

Instrument: GC09.1

Operator: LHarris

Column diameter: 0.53

\\casha1\acq\data\GC09\data\102610.R\1026F032.D



Handwritten signature and date: 10/27/10

Data File: \\sash1\acquadata\GC09\data\102610_1.P\1026R032.D

Date: 27-OCT-2010 12:55

Client ID:

Sample Info: 1248 @ 5000ppb | PCB5-641

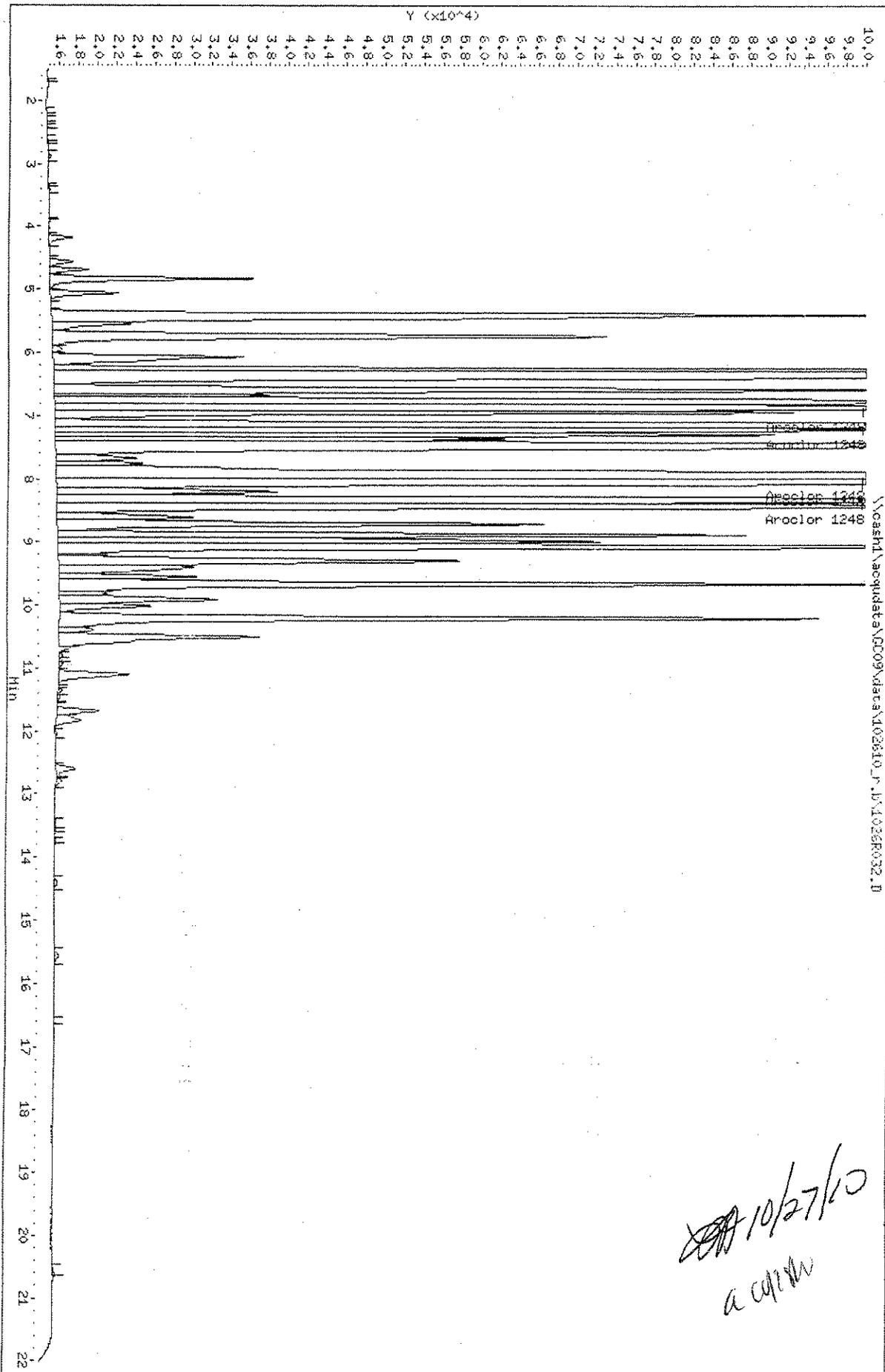
Column phase: DB-XLB

Instrument: GC09.1

Operator: L Harris

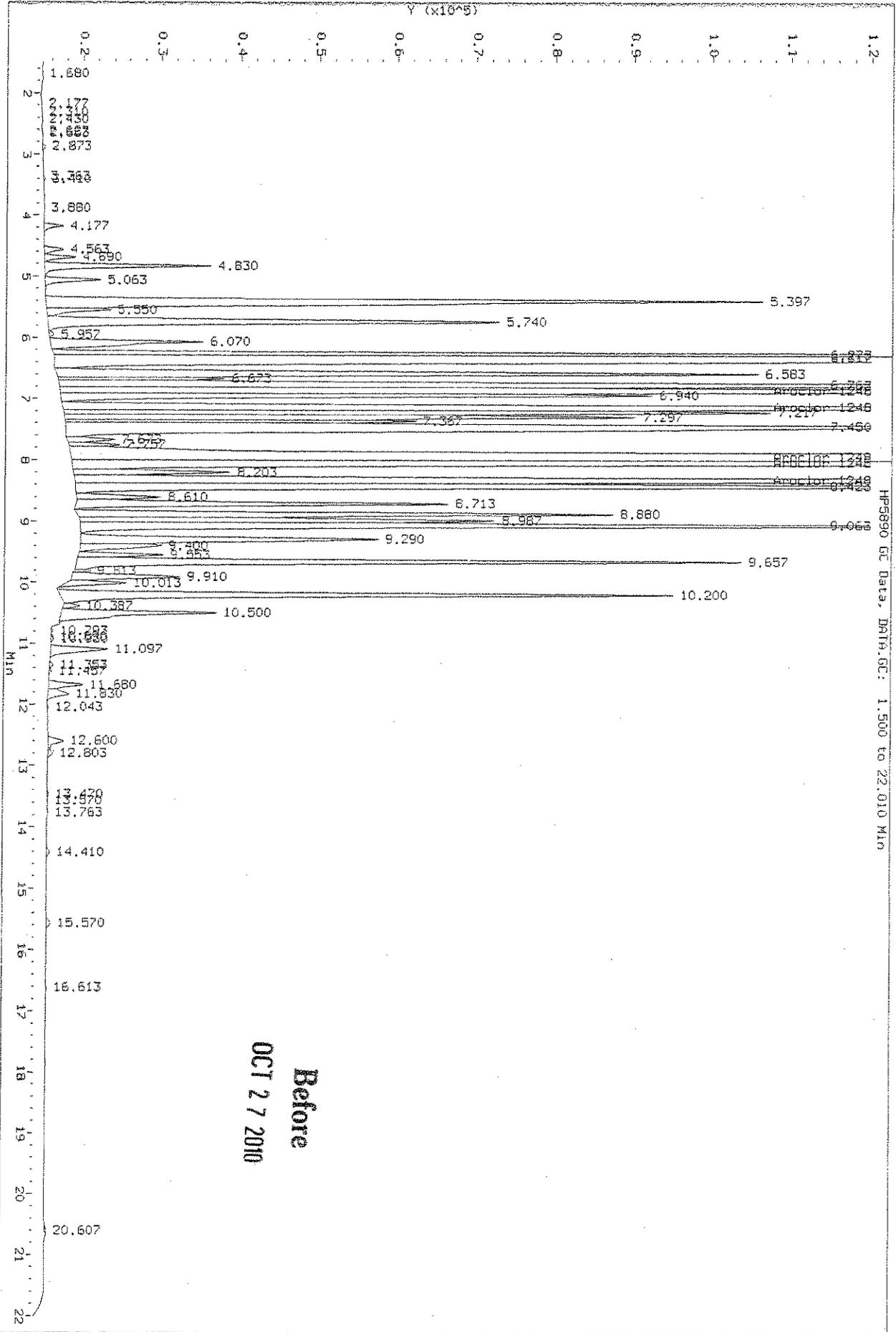
Column diameter: 0.53

\\sash1\acquadata\GC09\data\102610_1.P\1026R032.D



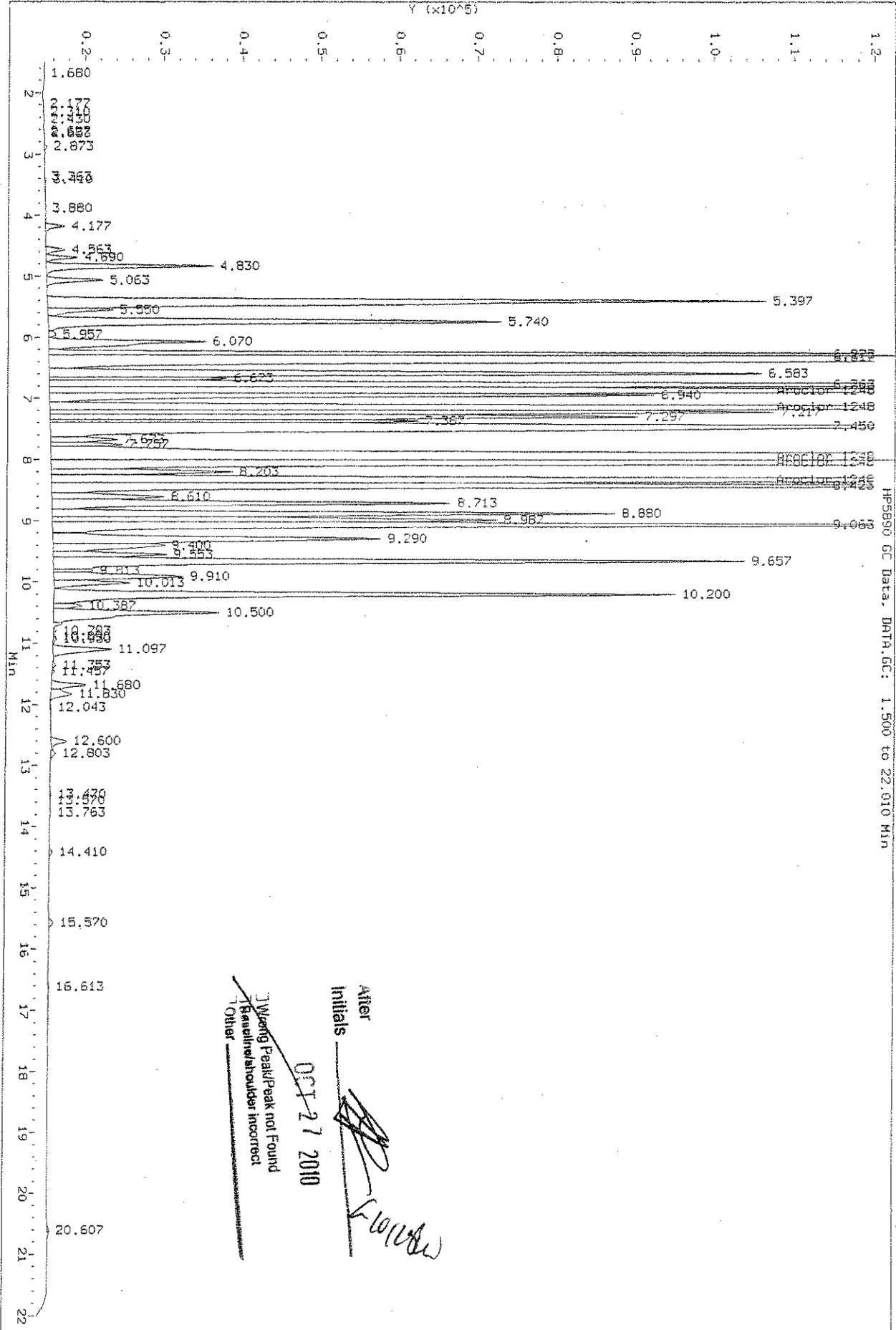
*10/27/10
a copy*

Data File: \\caspi\vacquedata\GC09\data\102610_r.b\1026R032.D
 Injection Date: 27-OCT-2010 12:55
 Instrument: GC09.1
 Client Sample ID:



Data File: \\cash1\acq\data\GC09\data\102610_r_b\10261032.D
 Injection Date: 27-OCT-2010 12:55
 Instrument: GC09.1
 Client Sample ID:

HP5890 GC Data, DATA.GC, 1.500 to 22.010 Min



Data File: \\cash1\acqdata\GC09\data\102610.B\1026F033.D
Report Date: 27-Oct-2010 18:23

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F033.D
Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R033.D
Inj Date : 27-OCT-2010 13:21
Sample Info: 1016 @ 1000ppb | PCB5-56E
Misc Info :
Cal Date : 27-OCT-2010 16:37
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1016.sub
Sub List #2 : AR1016.sub
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

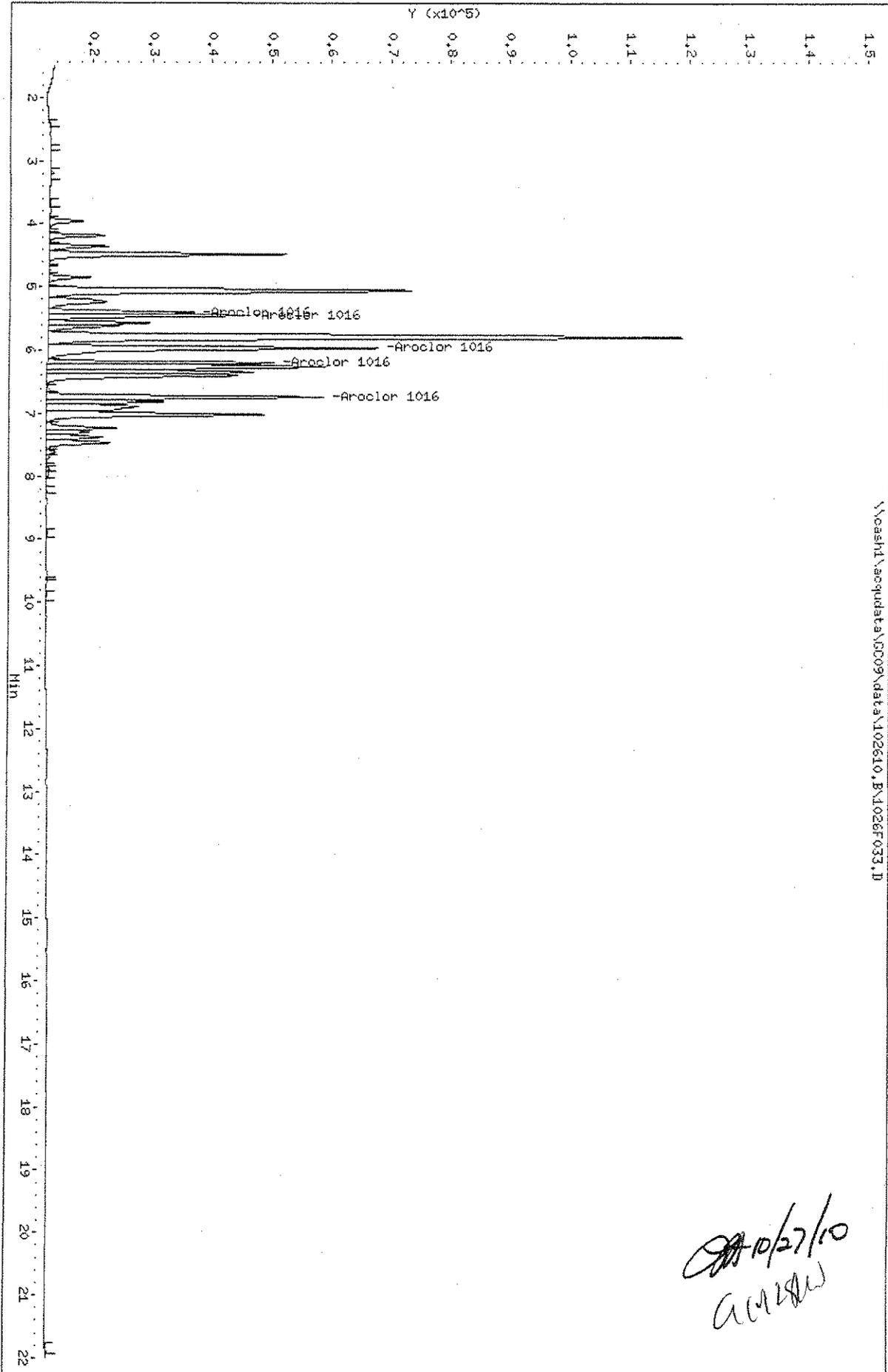
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1016	5.400	5.397	66501	157480	1010	932	80.00- 120.00	100.00
	5.450	6.587	112766	164613	974	1000	133.75- 200.63	169.57
	5.963	6.763	225306	121491	942	928	261.64- 392.46	338.80
	6.197	6.860	114493	143086	980	942	138.17- 207.26	172.17
	6.737	7.133	159141	132975	955	958	185.32- 277.98	239.31
			Average of Peak Amounts =		972	952		

JA 10/27/10
AW/2010

Data File: \\casha1\acq\data\CC09\data\102610.B\1026F033.D
Date: 27-OCT-2010 13:21
Client ID:
Sample Info: 1016 @ 1000ppb | PCBs-S&E
Column phase: DB-35MS

Instrument: CC09.1
Operator: LHarris
Column diameter: 0.53

\\casha1\acq\data\CC09\data\102610.B\1026F033.D

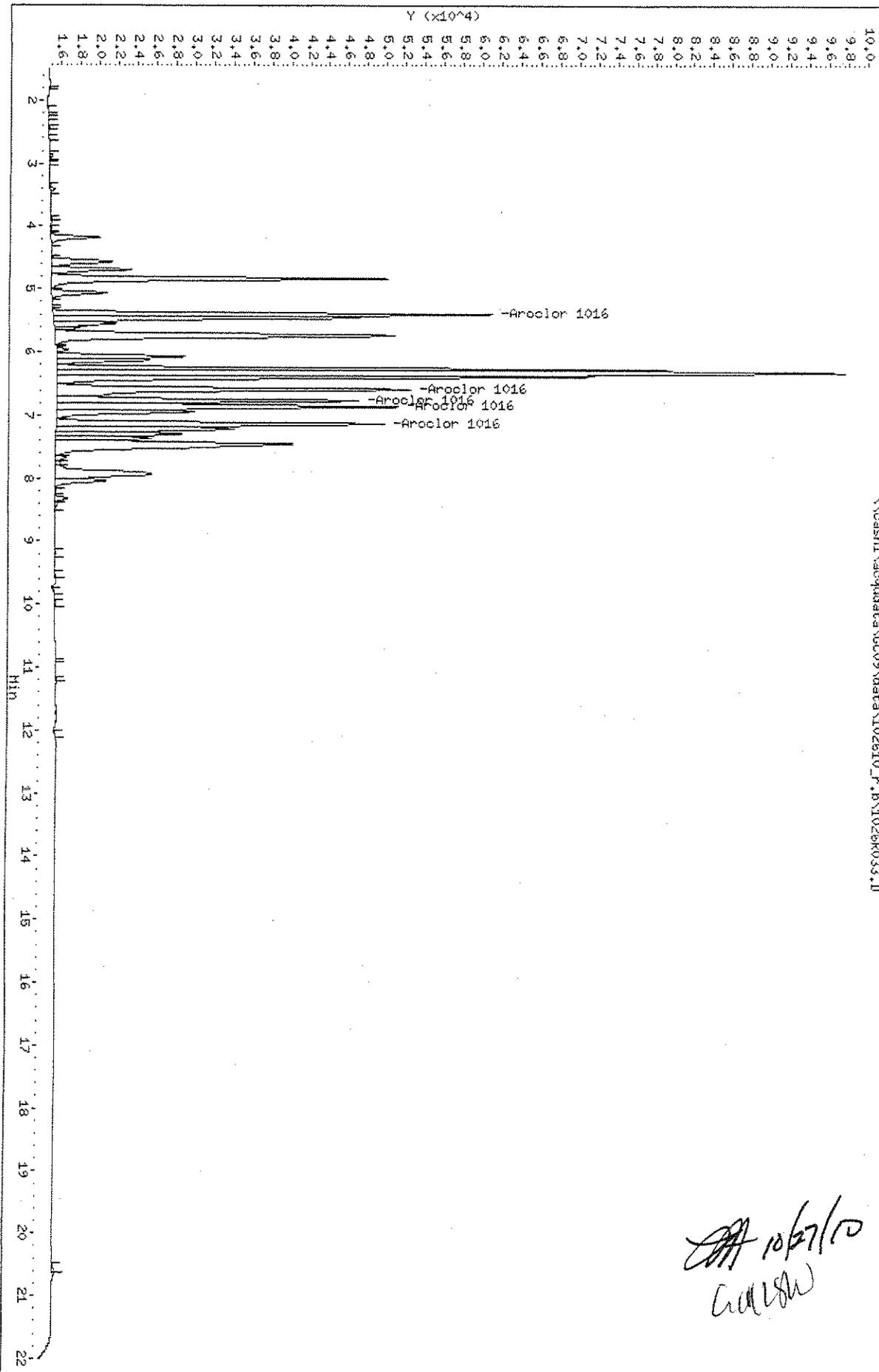


10/27/10
ALHAW

Data File: \\casht1\apq\data\GC09\data\102610_r.b\1026R033.D
Date: 27-OCT-2010 13:21
Client ID:
Sample Info: 1016 @ 1000ppb | PCB5-56E
Column phase: DB-XLB

Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53

\\casht1\apq\data\GC09\data\102610_r.b\1026R033.D



Handwritten signature and date:
10/27/10
C. W. S. W.

Data File: \\cash1\acqdata\GC09\data\102610.B\1026F034.D
Report Date: 27-Oct-2010 18:23

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F034.D
Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R034.D
Inj Date : 27-OCT-2010 13:48
Sample Info: 1221 @ 1000ppb | PCB5-62R
Misc Info :
Cal Date : 27-OCT-2010 16:37
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610 f.m
Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1221.SUB
Sub List #2 : AR1221.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1221	3.183	3.410	65123	65516	1080	1060	80.00- 120.00	100.00 (M)
	4.183	4.177	93058	37632	1130	1040	100.52- 150.78	142.89 (M)
	4.353	4.690	62104	62910	1150	1120	64.35- 96.52	95.36 (M)
	4.480	4.830	204138	205309	1110	1090	239.06- 358.59	313.46 (M)
			Average of Peak Amounts =		1120	1080		

QC Flag Legend

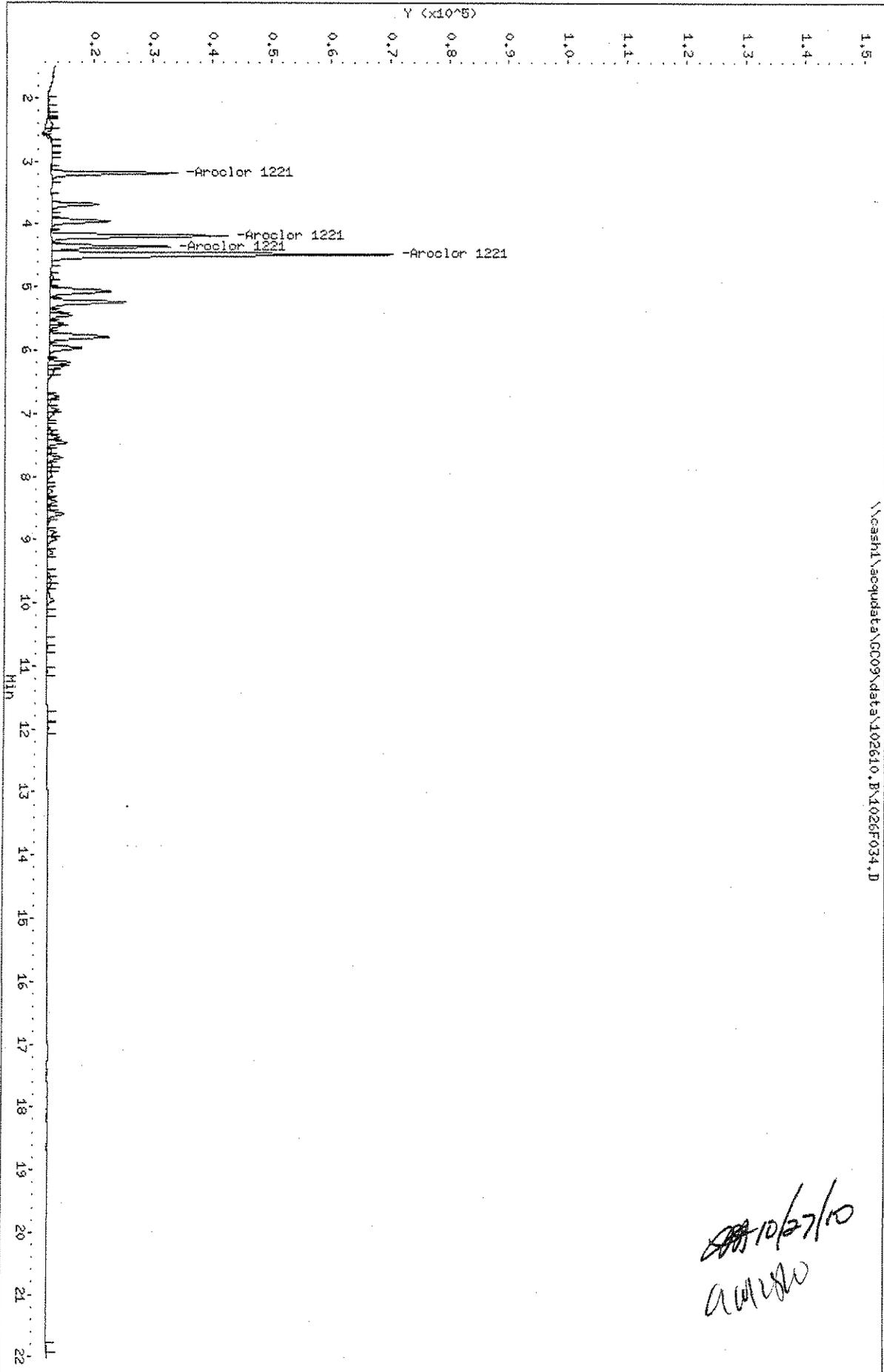
M - Compound response manually integrated.

Handwritten signature and date: 10/27/10

Data File: \\casha1\acq\data\GC09\data\102610.B\1026F034.D
Date : 27-OCT-2010 13:48
Client ID:
Sample Info: 1221 @ 1000ppb | PCB5-62R
Column Phase: DB-35MS

Instrument: GC09.1
Operator: LHarris
Column diameter: 0.53

\\casha1\acq\data\GC09\data\102610.B\1026F034.D

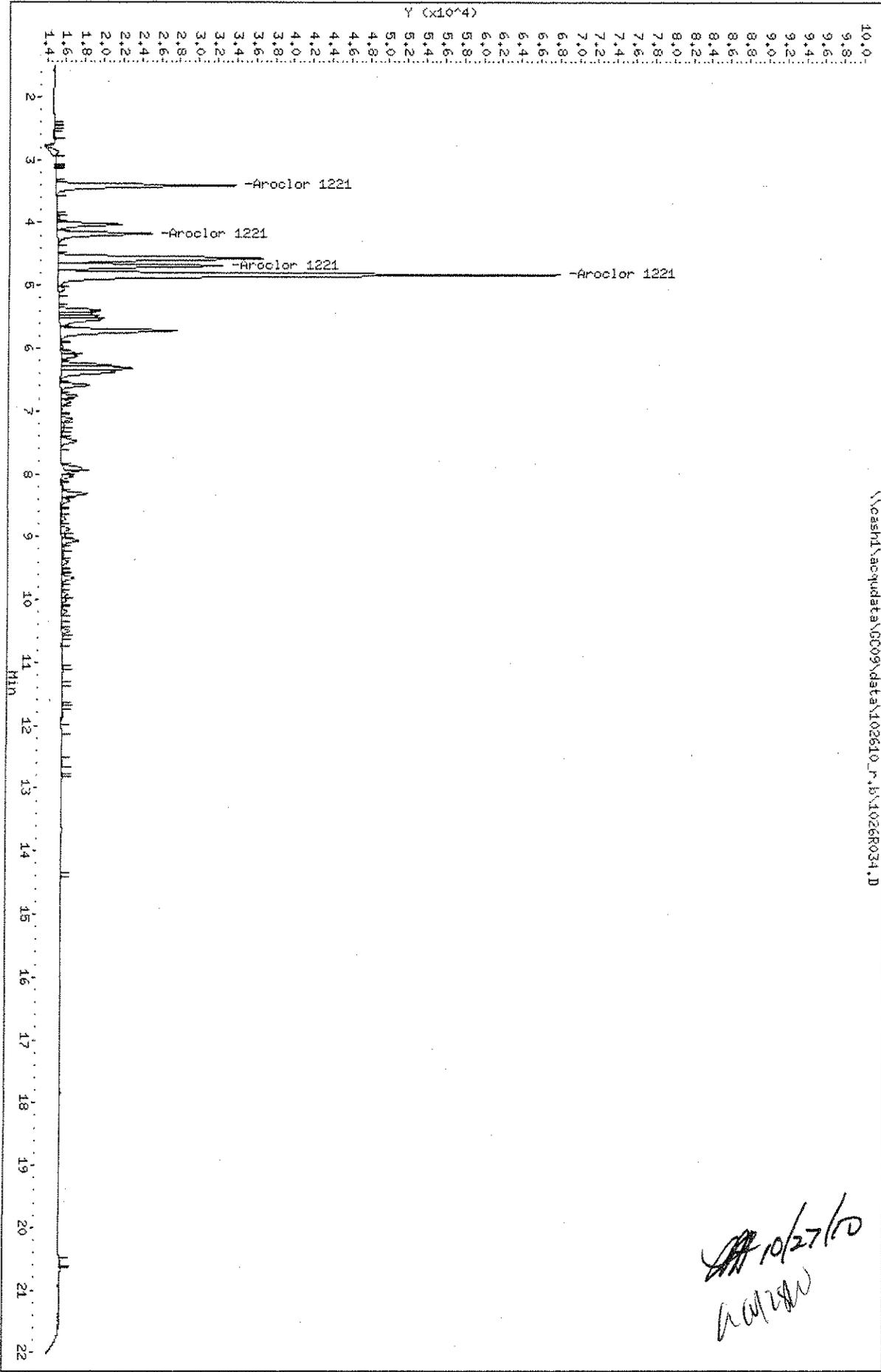


Handwritten signature and date: 10/27/10

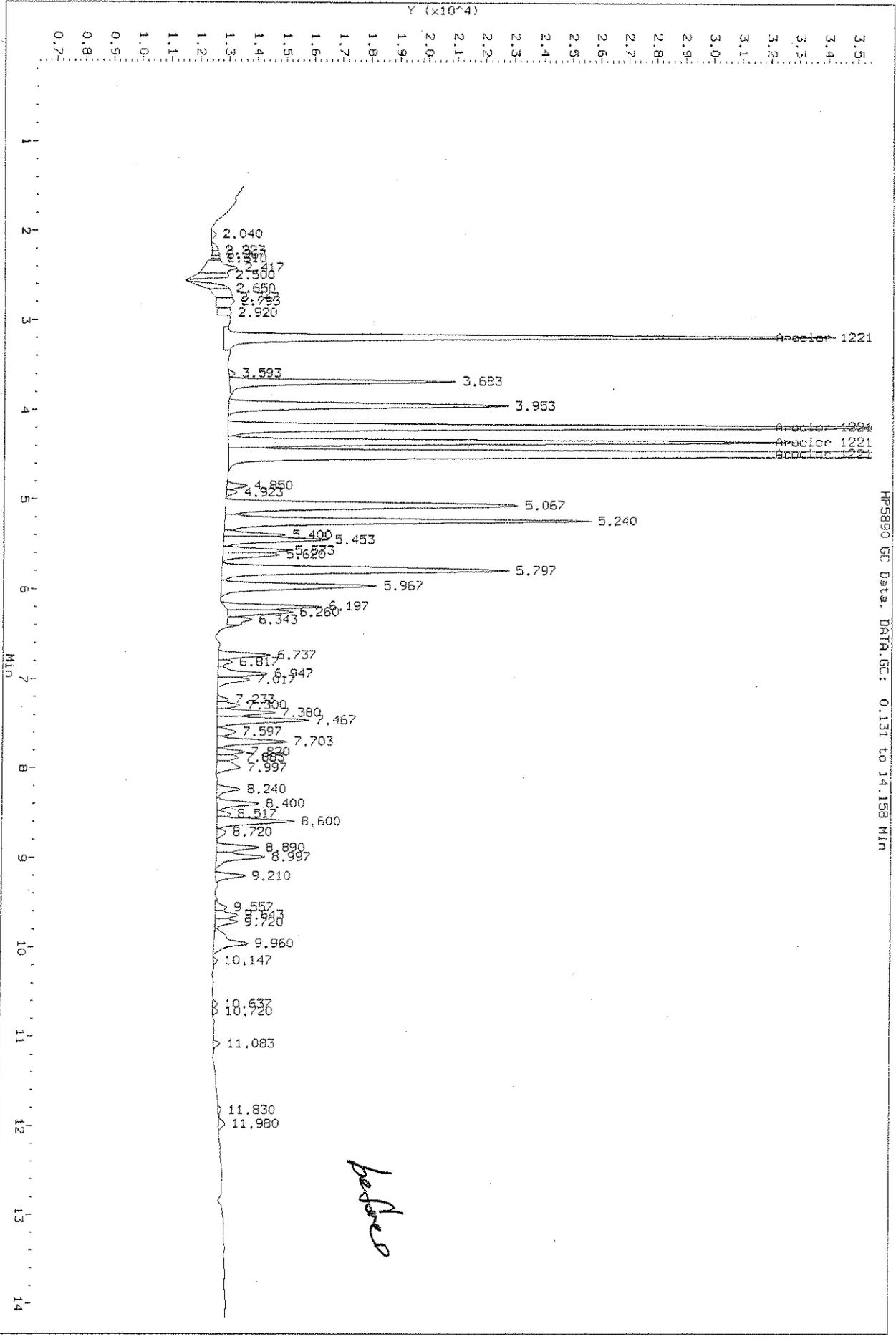
Data File: \\noash1\acq\data\GC09\data\102610_Jr.b\1026R034.D
Date: 27-OCT-2010 13:48
Client ID:
Sample Info: 1221 @ 1000ppb | PCB5-62R
Column phase: DB-XLB

Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53

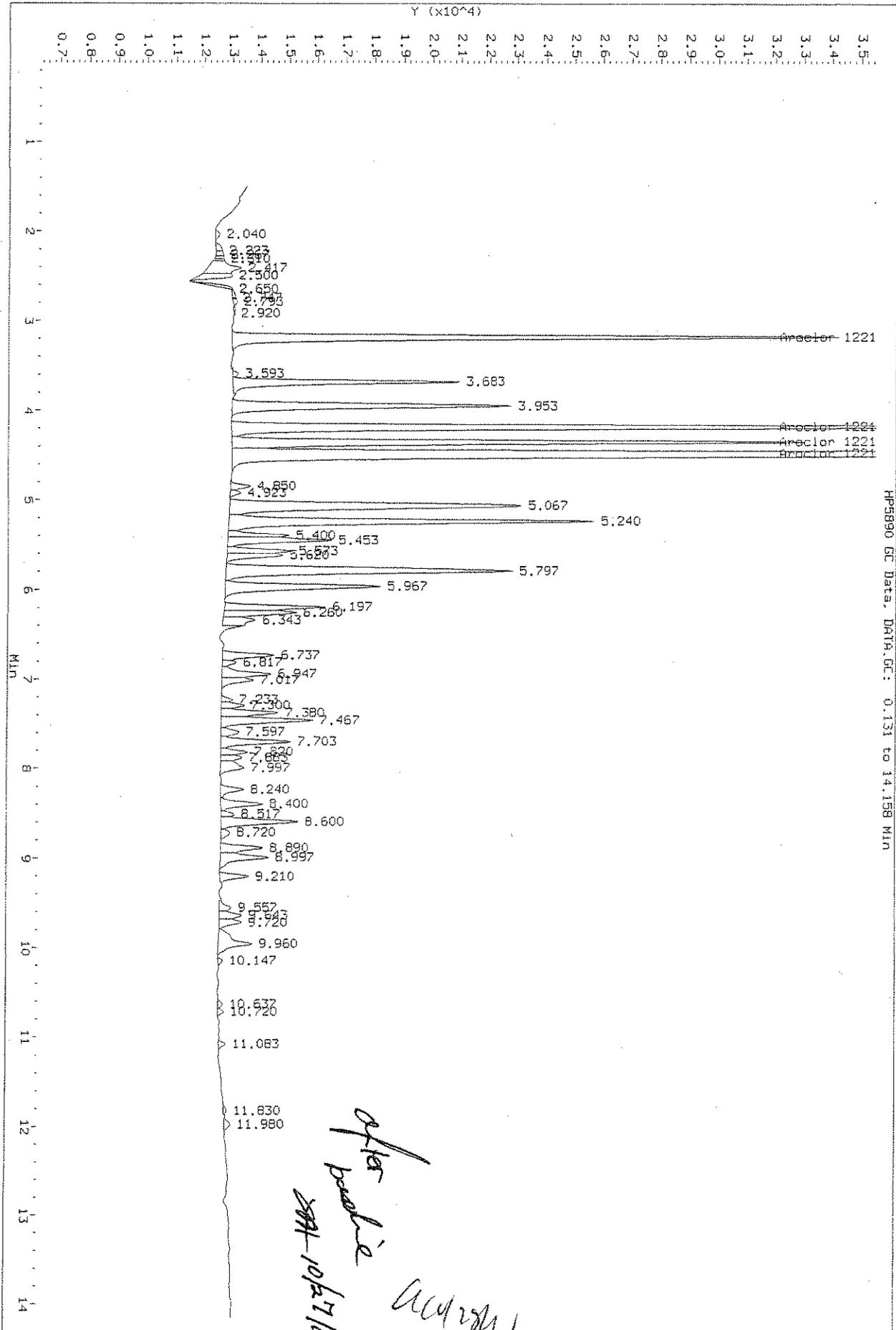
\\noash1\acq\data\GC09\data\102610_Jr.b\1026R034.D



Data File: \\cash1\appdata\GC09\data\102610.B\1026F034.D
 Injection Date: 27-OCT-2010 13:48
 Instrument: GC09.1
 Client Sample ID:



Data File: \\casha1\acq\data\GEO9\data\102610.B\10261034.D
 Injection Date: 27-OCT-2010 13:48
 Instrument: GC09.1
 Client Sample ID:



Data File: \\cash1\acqdata\GC09\data\102610.B\1026F035.D
Report Date: 27-Oct-2010 18:23

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F035.D
Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R035.D
Inj Date : 27-OCT-2010 14:14
Sample Info: 1232 @ 1000ppb | PCB5-62S
Misc Info :
Cal Date : 27-OCT-2010 16:37
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610 f.m
Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1232.SUB
Sub List #2 : AR1232.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

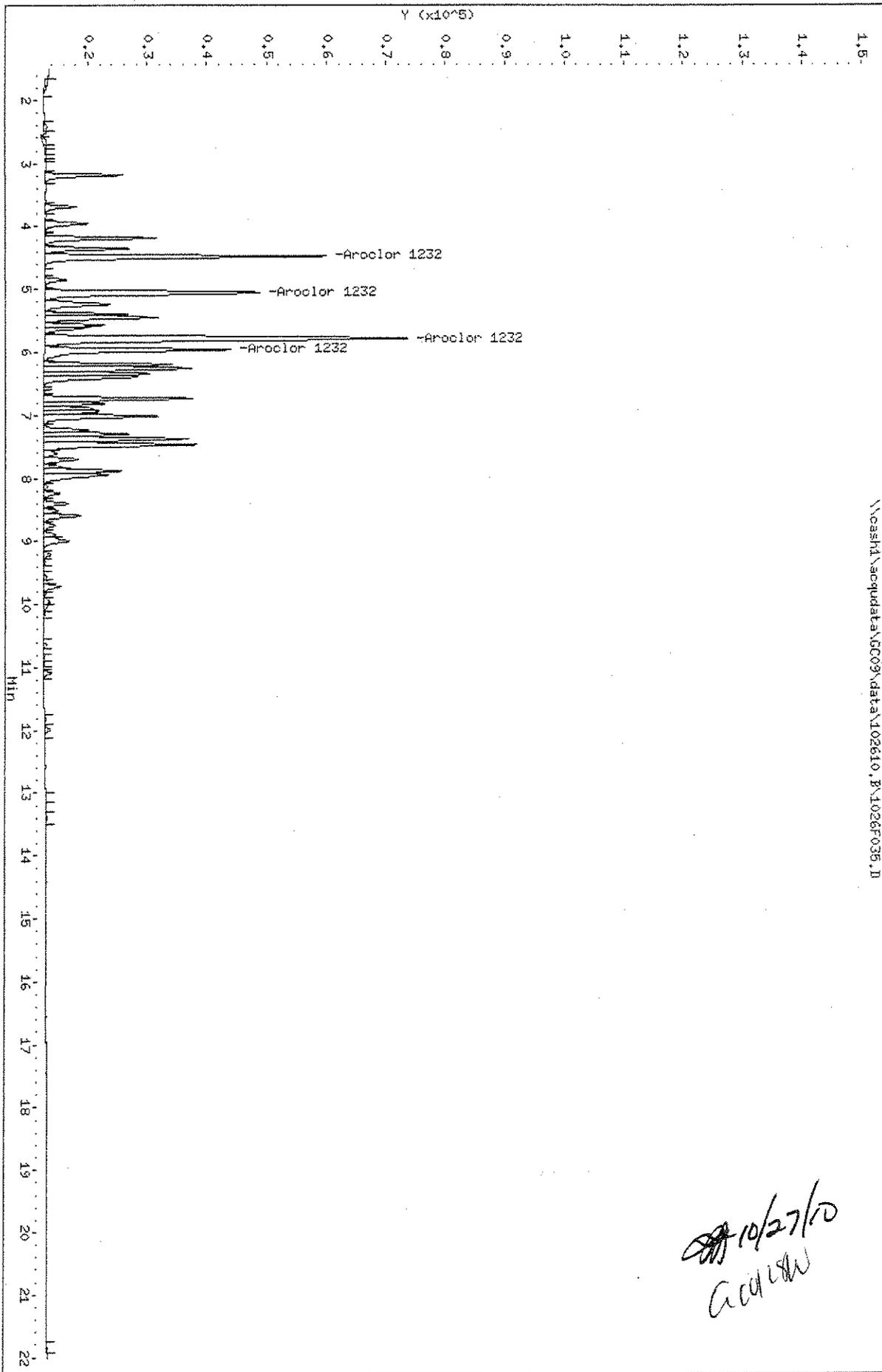
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1232	4.480	4.830	162382	162886	1020	1010	80.00- 120.00	100.00
	5.053	5.447	158775	61310	1080	1020	69.89- 104.84	97.78
	5.793	5.727	283401	114609	1080	1070	126.75- 190.12	174.53
	5.963	6.273	126049	97184	1090	1110	54.28- 81.42	77.62
Average of Peak Amounts =					1070	1050		

*Handwritten signature and date: 10/27/10
C. C. D. 240*

Data File: \\cash1\acq\data\CC09\data\102610.F\1026F035.D
Date: 27-OCT-2010 14:14
Client ID:
Sample Info: 1232 @ 1000ppb | PCB5-625
Column phase: DB-35MS

Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53

\\cash1\acq\data\CC09\data\102610.F\1026F035.D

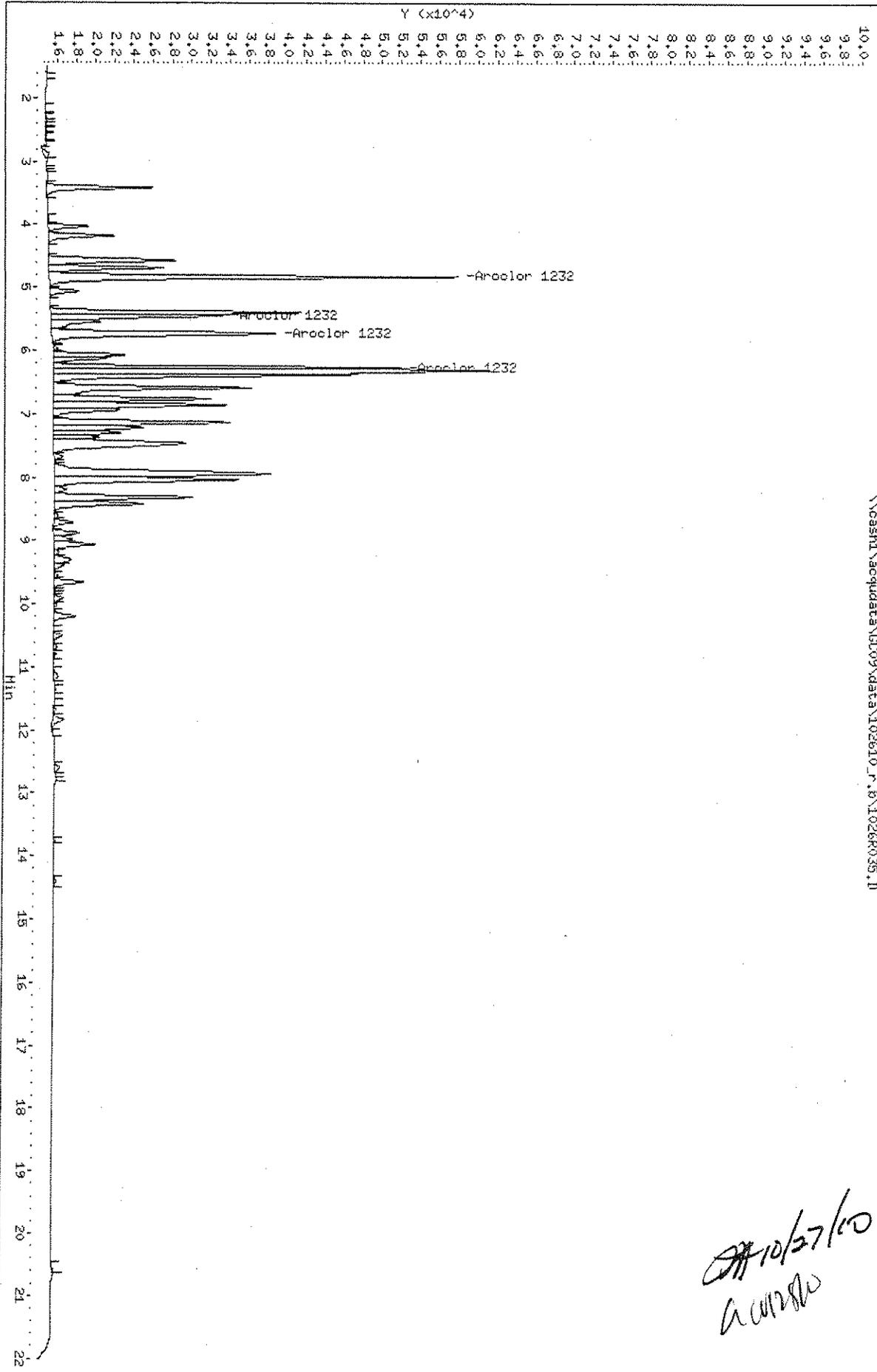


10/27/10
GC09.i

Data File: \\casha1\acq\data\GC09\data\102610_r.b\1026R035.D
Date: 27-OCT-2010 14:14
Client ID:
Sample Info: 1232 @ 1000ppb | PCB5-625
Column phase: DB-XLB

Instrument: GC09.i
Operator: LHMris
Column diameter: 0.53

\\casha1\acq\data\GC09\data\102610_r.b\1026R035.D



*Off 10/27/10
LHMris*

Data File: \\cash1\acqdata\GC09\data\102610.B\1026F036.D
Report Date: 27-Oct-2010 18:23

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F036.D
Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R036.D
Inj Date : 27-OCT-2010 14:41
Sample Info: 1242 @ 1000ppb | PCB5-63A
Misc Info :
Cal Date : 27-OCT-2010 16:37
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610 f.m
Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1242.SUB
Sub List #2 : AR1242.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1242	5.053	5.447	235543	92464	862	1010	80.00- 120.00	100.00
	5.453	6.373	100266	184651	917	910	31.14- 46.71	42.57
	5.963	6.587	198540	149013	896	1020	61.93- 92.90	84.29
	6.343	6.763	99184	118245	848	1040	32.29- 48.44	42.11
	6.737	6.860	147976	129441	902	949	48.04- 72.05	62.82
			Average of Peak Amounts =		885	986		

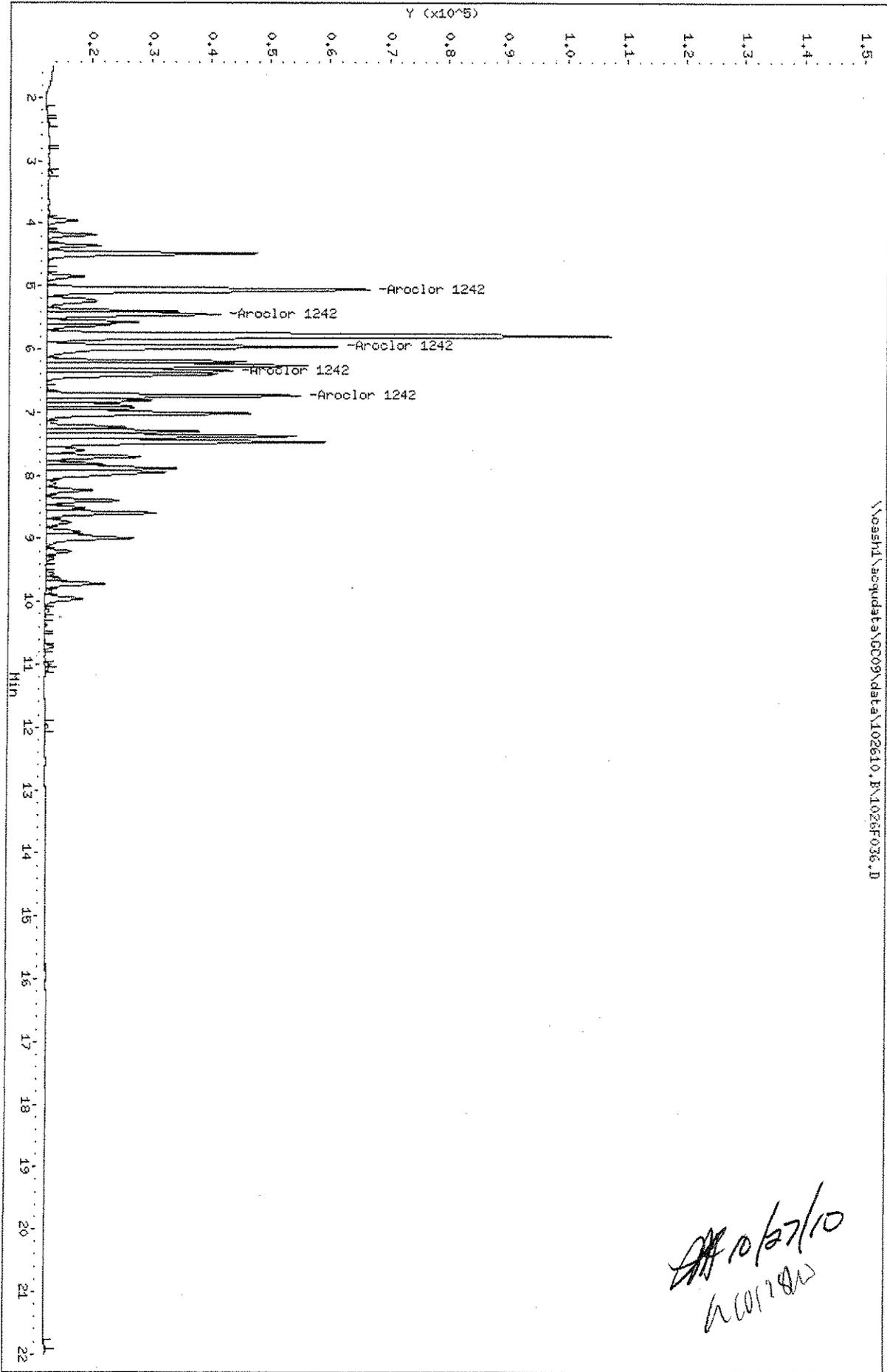
LHarris
10/27/10

Data File: \voasht1\acq\data\GC09\data\102610.B\1026F036.D
Date: 27-OCT-2010 14:41
Client ID:
Sample Info: 1242 @ 1000ppb | PCBs-63A
Column phase: DB-35MS

Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53

\voasht1\acq\data\GC09\data\102610.B\1026F036.D

Handwritten signature and date: 10/27/10



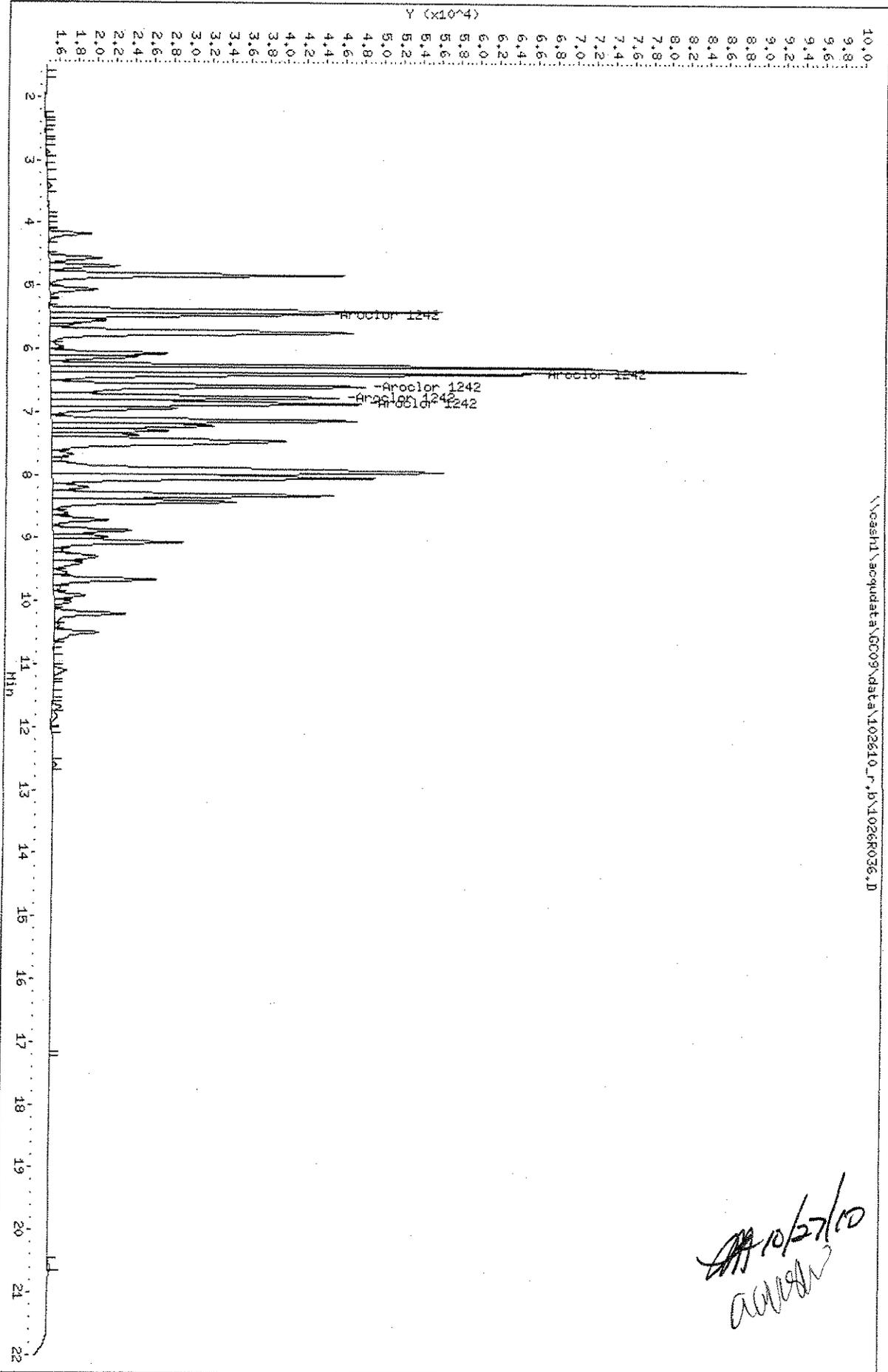
Data File: \\nasht1\acq\data\GC09\data\102610_r.j\1026R036.D
Date : 27-OCT-2010 14:41

Client ID:
Sample Info: 1242 @ 1000ppb | PCBs-63A

Column Phase: DB-XLB

Instrument: GC09.1
Operator: LHarris
Column diameter: 0.53

\\nasht1\acq\data\GC09\data\102610_r.j\1026R036.D



Data File: \\cash1\acqdata\GC09\data\102610.B\1026F037.D
Report Date: 27-Oct-2010 18:23

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F037.D
Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R037.D
Inj Date : 27-OCT-2010 15:08
Sample Info: 1248 @ 1000ppb | PCB5-63B
Misc Info :
Cal Date : 27-OCT-2010 16:37
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610 f.m
Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1248.SUB
Sub List #2 : AR1248.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

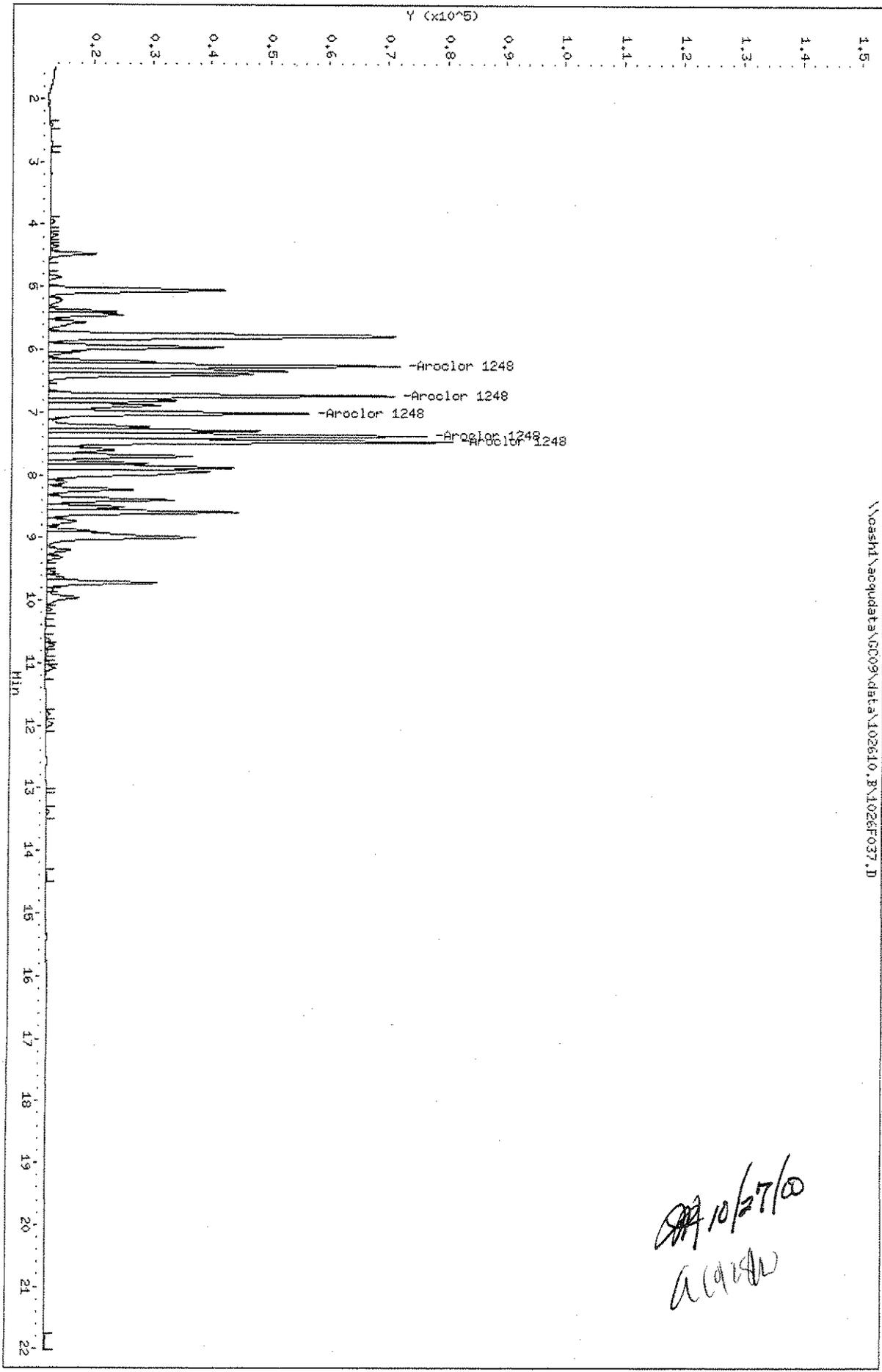
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1248	6.260	6.857	213771	162780	917	896	80.00- 120.00	100.00
	6.737	7.130	198951	176422	892	908	70.47- 105.71	93.07
	7.017	7.943	160873	347605	883	879	52.40- 78.60	75.25
	7.377	8.040	228412	207657	878	860	81.94- 122.90	106.85
	7.467	8.317	262569	184786	870	883	96.32- 144.48	122.83
Average of Peak Amounts =					888	885		

*10/27/10
A. Harris*

Data File: \\oasht\acq\data\GC09\data\102610.B\1026F037.D
Date: 27-OCT-2010 15:08
Client ID:
Sample Info: 1248 @ 1000ppb | PCBs-63B
Column phase: DB-35MS

Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53

\\oasht\acq\data\GC09\data\102610.B\1026F037.D



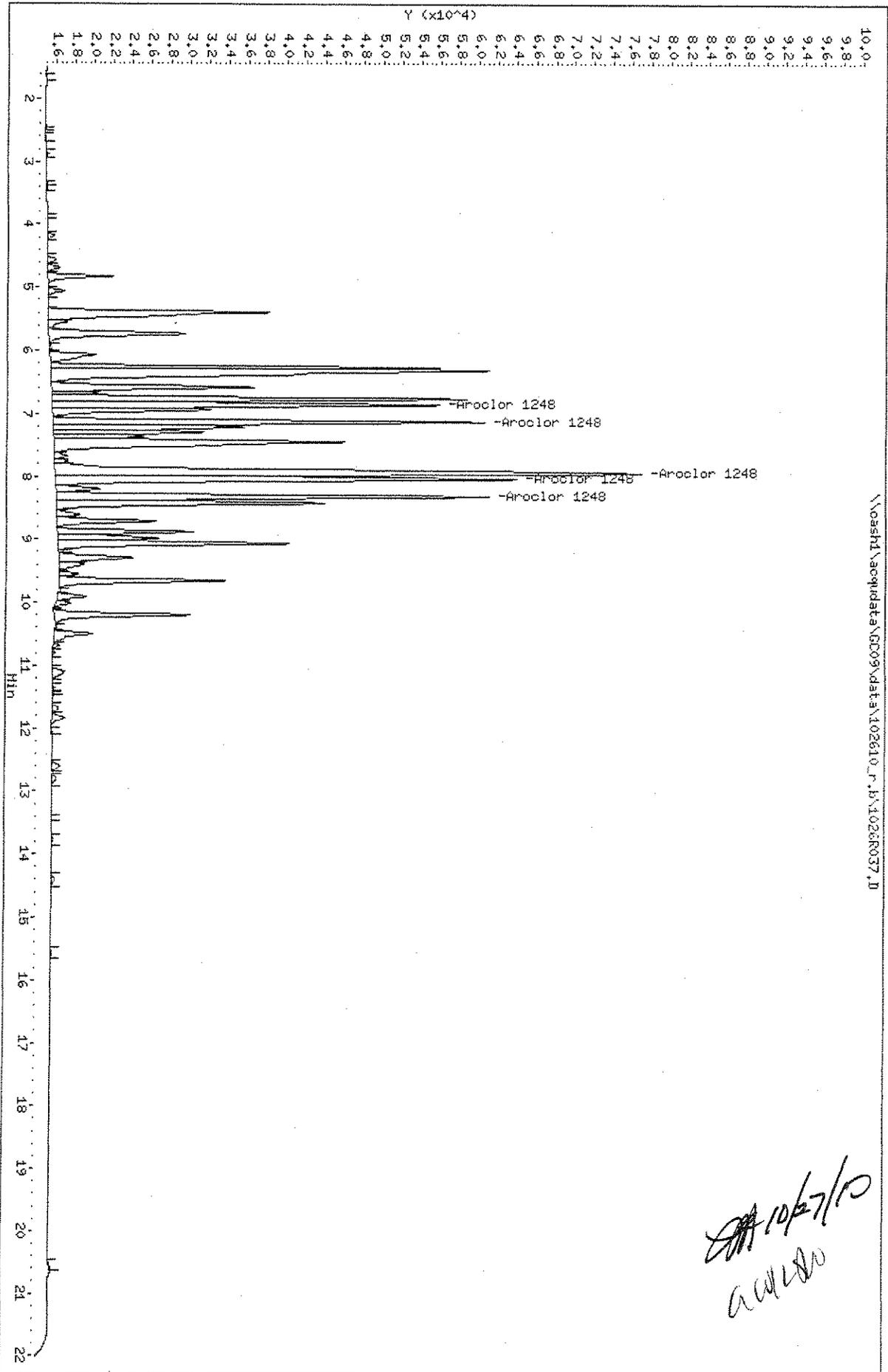
10/27/10
ALH

Data File: \\nasht1\acquadata\GC09\data\102610_r.b\1026R037.D
Date: 27-OCT-2010 15:08

Client ID:
Sample Info: 1248 @ 1000ppb | PCBs-63B
Column phase: DB-XLB

Instrument: GC09.i
Operator: LHarris
Column diameter: 0.153

\\nasht1\acquadata\GC09\data\102610_r.b\1026R037.D



Handwritten signature and date: 10/27/10

Data File: \\cash1\acqdata\GC09\data\102610.B\1026F038.D
Report Date: 27-Oct-2010 18:23

Columbia Analytical Services

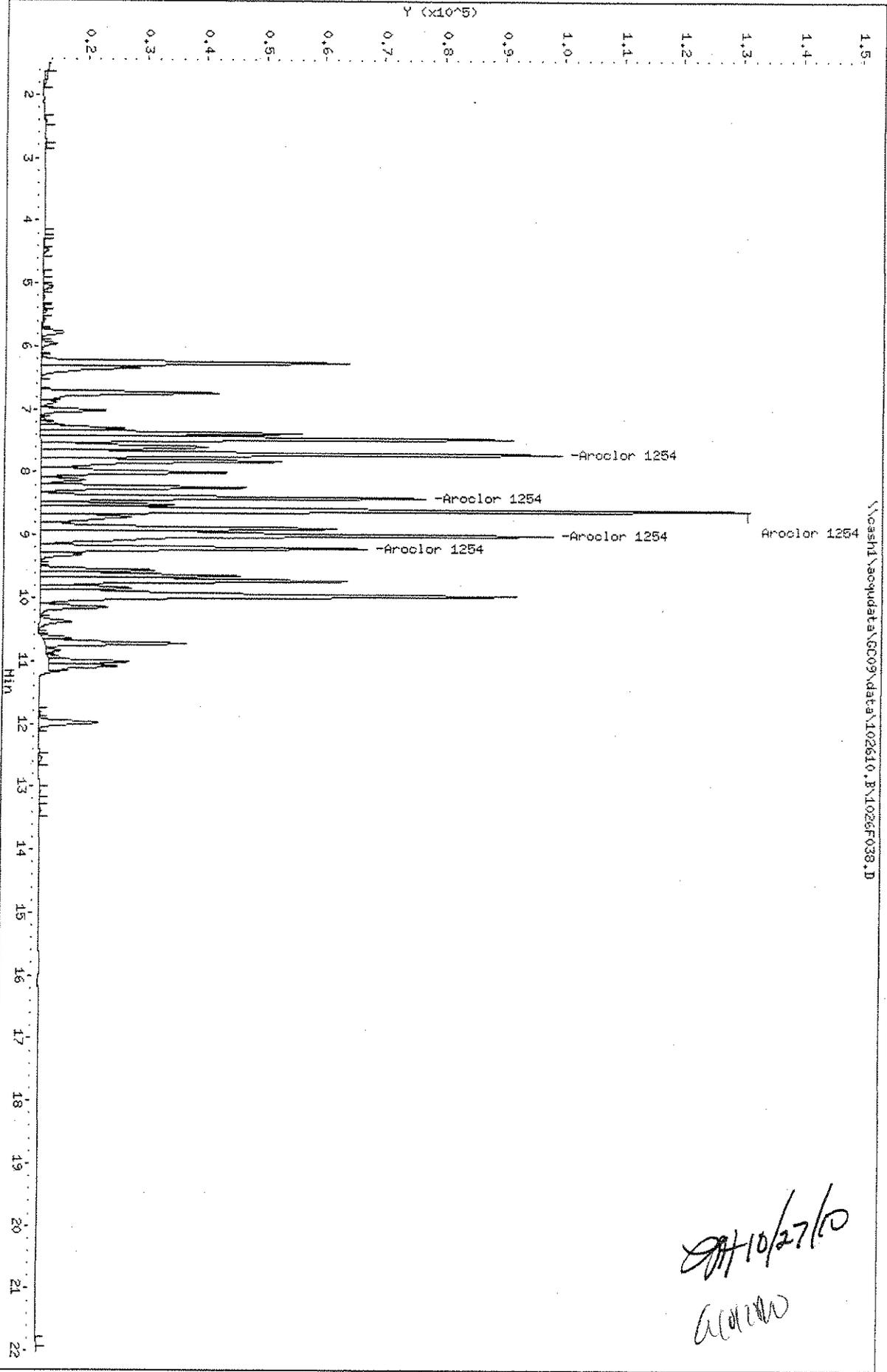
Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F038.D
Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R038.D
Inj Date : 27-OCT-2010 15:34
Sample Info: 1254 @ 1000ppb | PCB5-63C
Misc Info :
Cal Date : 27-OCT-2010 16:37
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1254.SUB
Sub List #2 : AR1254.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1254	7.703	8.320	326319	368645	945	910	80.00- 120.00	100.00
	8.400	8.880	239701	201395	1000	1080	53.50- 80.26	73.46
	8.597	9.063	462151	375848	951	1050	111.76- 167.65	141.63
	8.997	9.657	401945	295157	949	1020	97.53- 146.29	123.18
	9.207	10.500	207351	353542	967	1120	49.15- 73.73	63.54
			Average of Peak Amounts =		962	1040		

Handwritten signature and date: 10/27/10

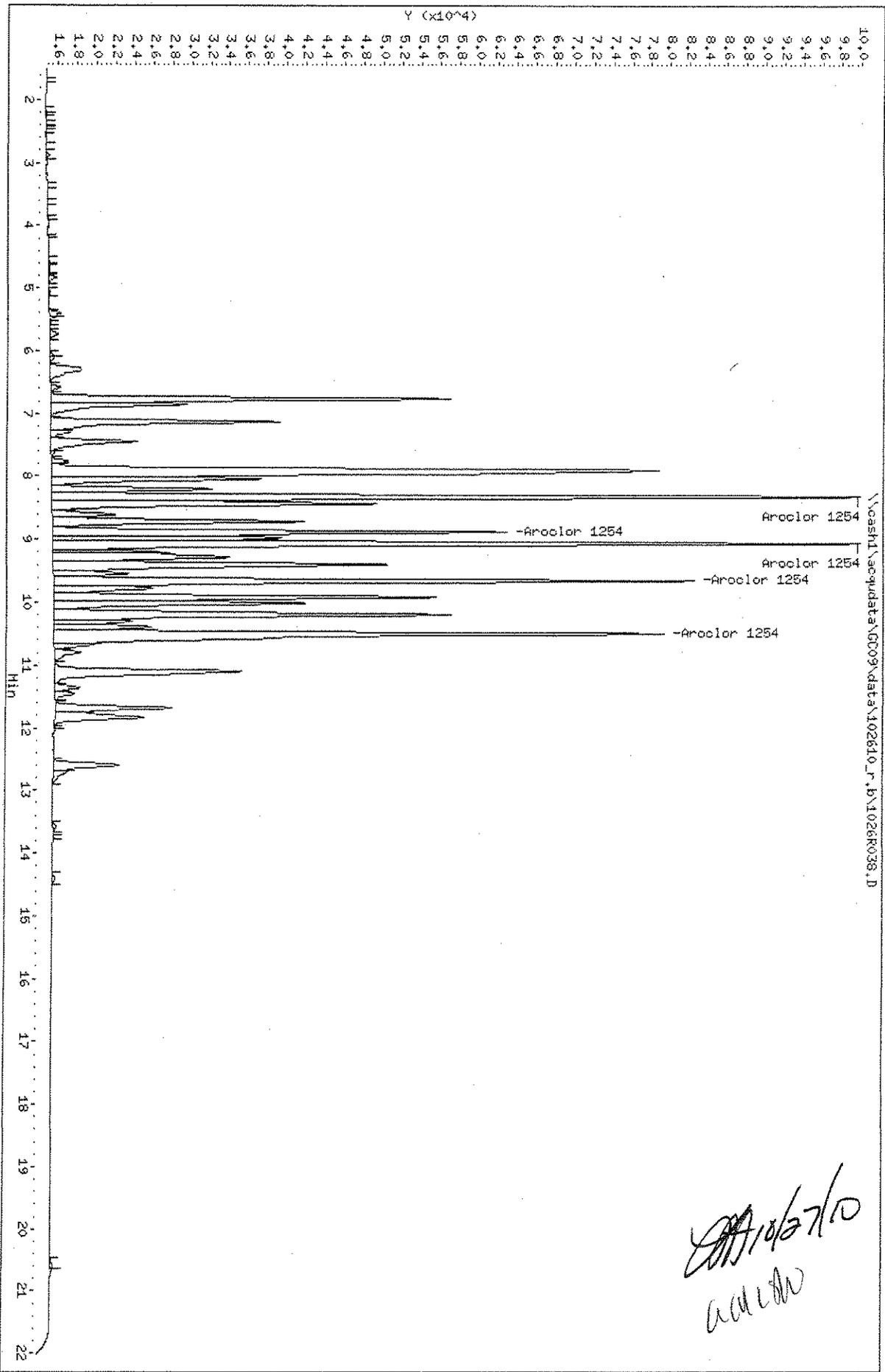
Data File: \\oash1\acq\data\GC09\data\102610.B\1026F038.D
 Date: 27-OCT-2010 15:34
 Client ID:
 Sample Info: 1254 @ 1000ppb | PCB5-63C
 Column phase: DB-35HS
 Instrument: GC09.i
 Operator: LHarris
 Column diameter: 0.53



Handwritten signature and date:
 10/27/10
 LHarris

Data File: \voash1\voq\data\GC09\data\102610_r.b\1026R038.D
 Date: 27-OCT-2010 15:34
 Client ID:
 Sample Info: 1254 @ 1000ppb | PCB5-63C
 Column phase: DB-MLB

Instrument: GC09.1
 Operator: LHarris
 Column diameter: 0.53



Handwritten signature and date: 10/27/10

Data File: \\cash1\acqdata\GC09\data\102610.B\1026F039.D
Report Date: 27-Oct-2010 18:23

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F039.D
Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R039.D
Inj Date : 27-OCT-2010 16:01
Sample Info: 1260 @ 1000ppb | PCB5-63D
Misc Info :
Cal Date : 27-OCT-2010 16:37
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

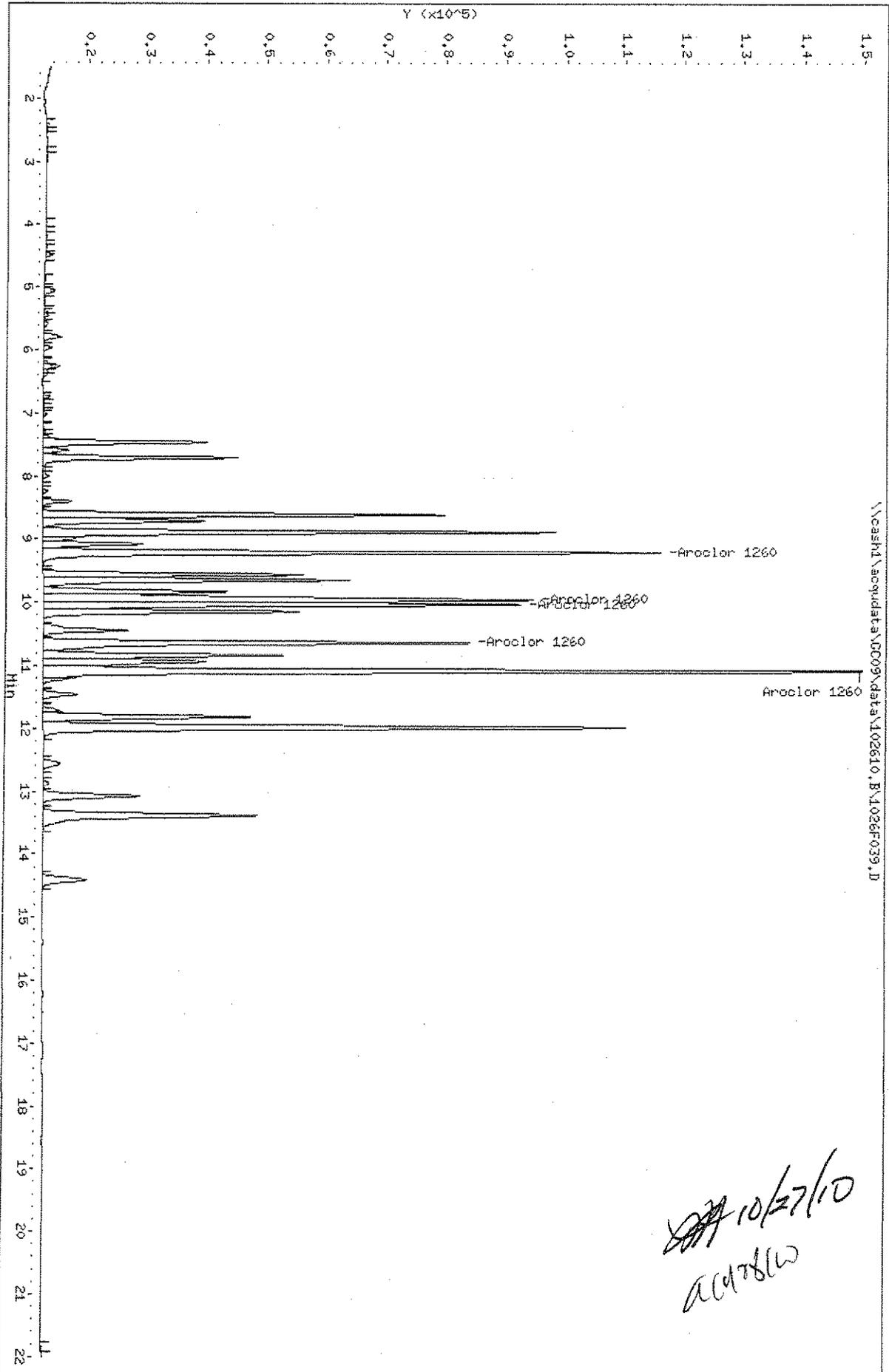
Method #1 : \\cash1\acqdata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1260.sub
Sub List #2 : AR1260.sub
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1260	9.207	9.400	394643	296729	1010	1110	80.00- 120.00	100.00
	9.957	9.920	387591	329914	946	1090	90.96- 136.44	98.21
	10.030	10.503	303879	388702	1250	1060	53.30- 79.96	77.00
	10.637	11.147	291759	301337	1240	1240	56.86- 85.28	73.93
	11.083	11.837	608152	559591	1240	1240	119.58- 179.38	154.10
			Average of Peak Amounts =		1140	1150		

Handwritten signature and date: 10/27/10

Data File: \\cashi\acq\data\CC09\data\102610.B\1026F039.D
Date: 27-OCT-2010 16:01
Client ID:
Sample Info: 1260 @ 1000ppb | PCB5-63D
Column phase: DB-35MS

Instrument: GC09.1
Operator: LHarris
Column diameter: 0.53



Handwritten signature and date:
10/27/10
AC/786W

Data File: \voash1\acq\data\GC09\data\102610_r_b\1026R039.D

Date: 27-OCT-2010 16:01

Client ID:

Sample Info: 1260 @ 1000ppb | PCB5-63B

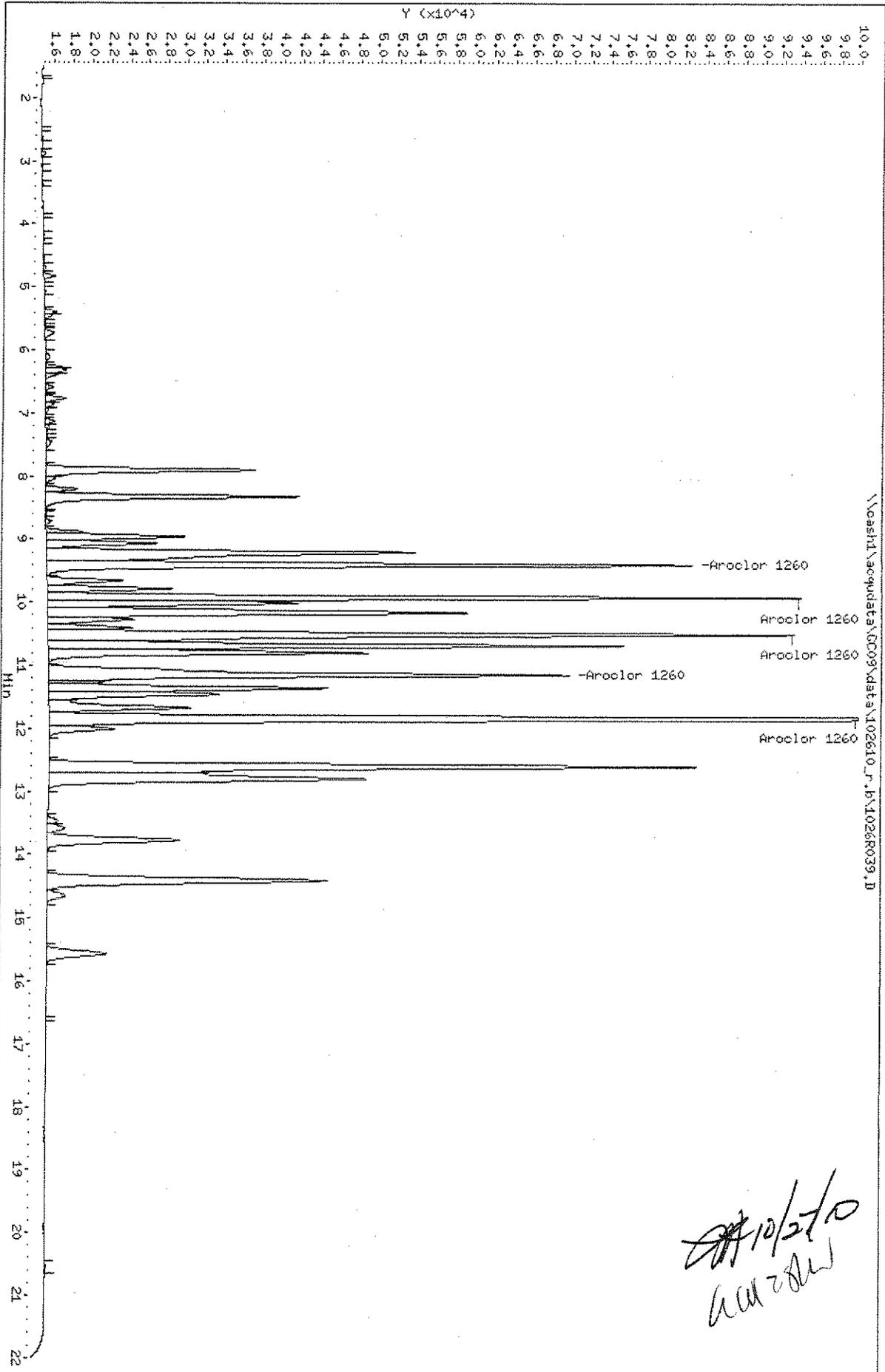
Column phase: DB-XLB

Instrument: GC09.i

Operator: LHarris

Column diameter: 0.53

\voash1\acq\data\GC09\data\102610_r_b\1026R039.D



Data File: \\cash1\acqdata\GC09\data\102610.B\1026F040.D
Report Date: 27-Oct-2010 18:24

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F040.D
Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R040.D
Inj Date : 27-OCT-2010 16:27
Sample Info: 1262 @ 1000ppb | PCB5-63E
Misc Info :
Cal Date : 27-OCT-2010 16:37
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

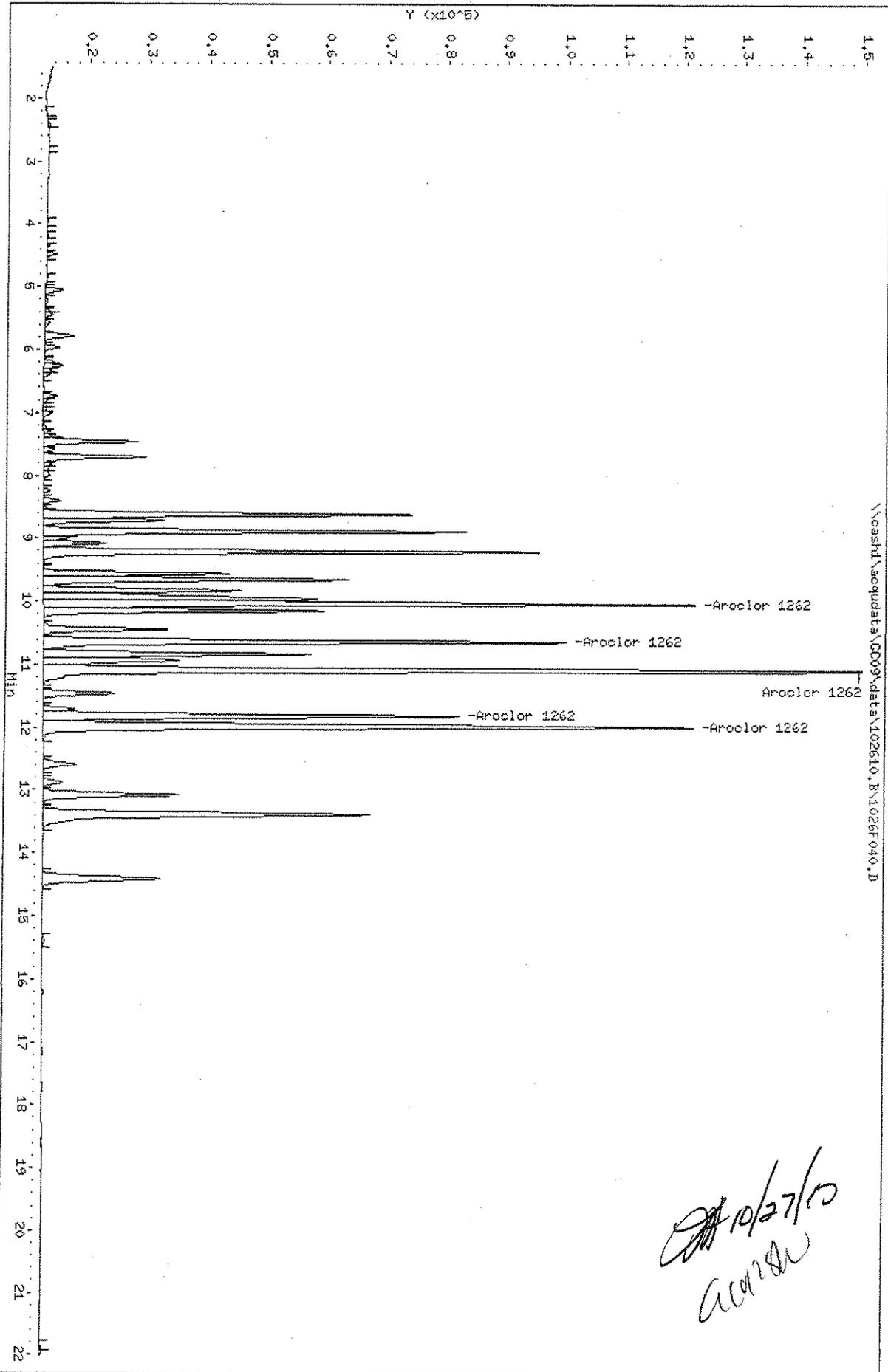
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Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1262.SUB
Sub List #2 : AR1262.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1262	10.033	10.507	431940	249495	1050	1190	80.00- 120.00	100.00
	10.637	10.680	349744	366105	1080	1120	60.84- 91.26	80.97
	11.083	11.837	675978	622188	1160	1130	112.15- 168.23	156.50
	11.817	12.607	301555	470585	1170	1140	50.32- 75.47	69.81
	11.980	12.803	531207	356599	1150	1160	88.90- 133.35	122.98
			Average of Peak Amounts =		1120	1150		

Handwritten signature and date:
10/27/10
ALG

Data File: \\casha1\acq\data\GC09\data\102610.B\1026F040.D
Date: 27-OCT-2010 16:27
Client ID:
Sample Info: 1262 @ 1000ppb | PCB5-63E
Column phase: DB-35MS

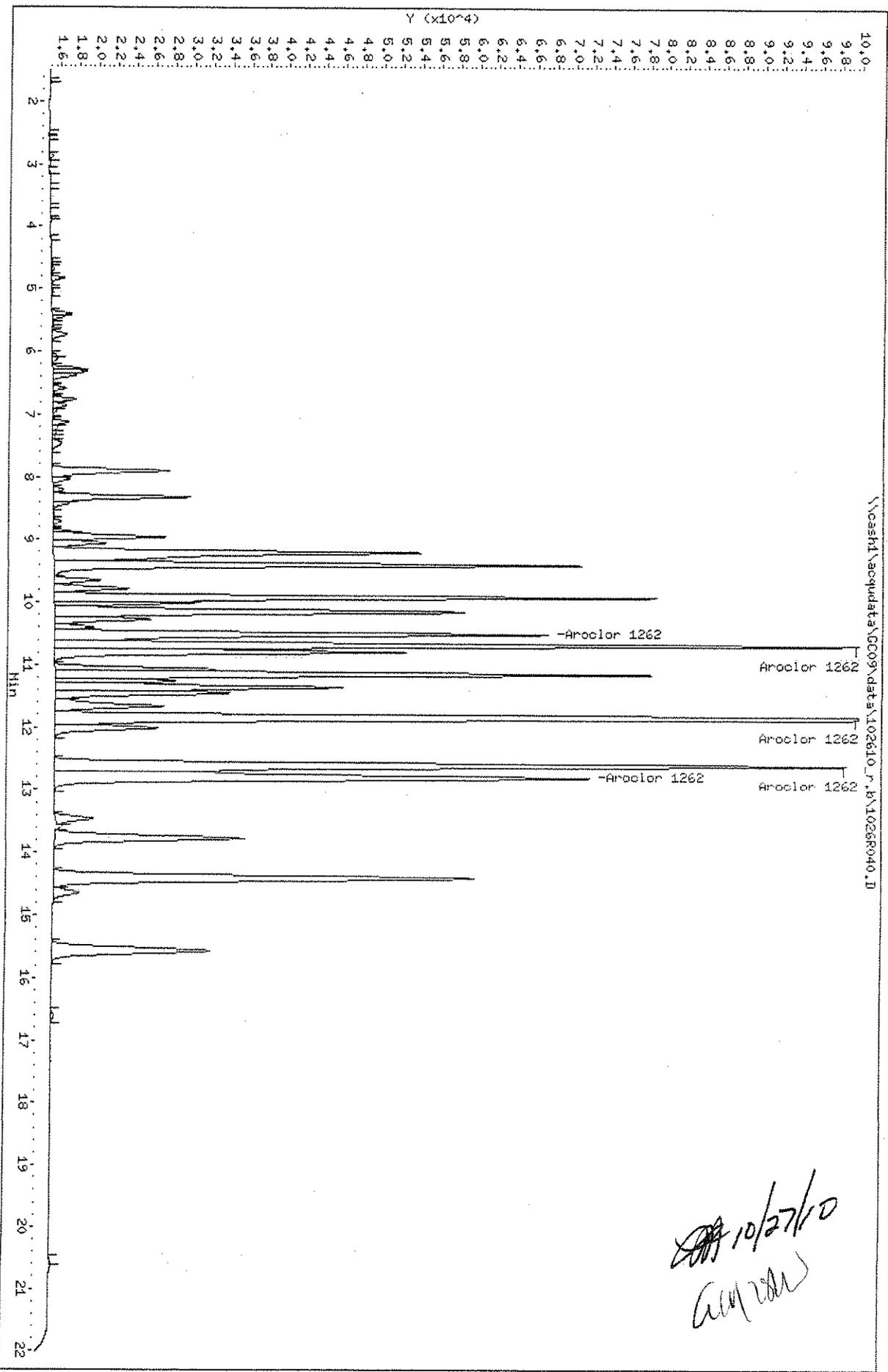
Instrument: GC09.1
Operator: LHarris
Column diameter: 0.53



10/27/10
ACW

Data File: \\ncash1\ncq\data\GC09\data\102610_r_b\1026R040.D
 Date: 27-OCT-2010 16:27
 Client ID:
 Sample Info: 1262 @ 1000ppb | PCB5-63E
 Column phase: DB-XLB

Instrument: GC09.1
 Operator: LHarris
 Column diameter: 0.53



10/27/10
LHarris

Data File: \\cash1\acqdata\GC09\data\102610.B\1026F041.D
Report Date: 27-Oct-2010 18:24

Columbia Analytical Services

Sample #1 : \\cash1\acqdata\GC09\data\102610.B\1026F041.D
Sample #2 : \\cash1\acqdata\GC09\data\102610_r.b\1026R041.D
Inj Date : 27-OCT-2010 16:54
Sample Info: 1268 @ 1000ppb | PCB5-63F
Misc Info :
Cal Date : 27-OCT-2010 16:37
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

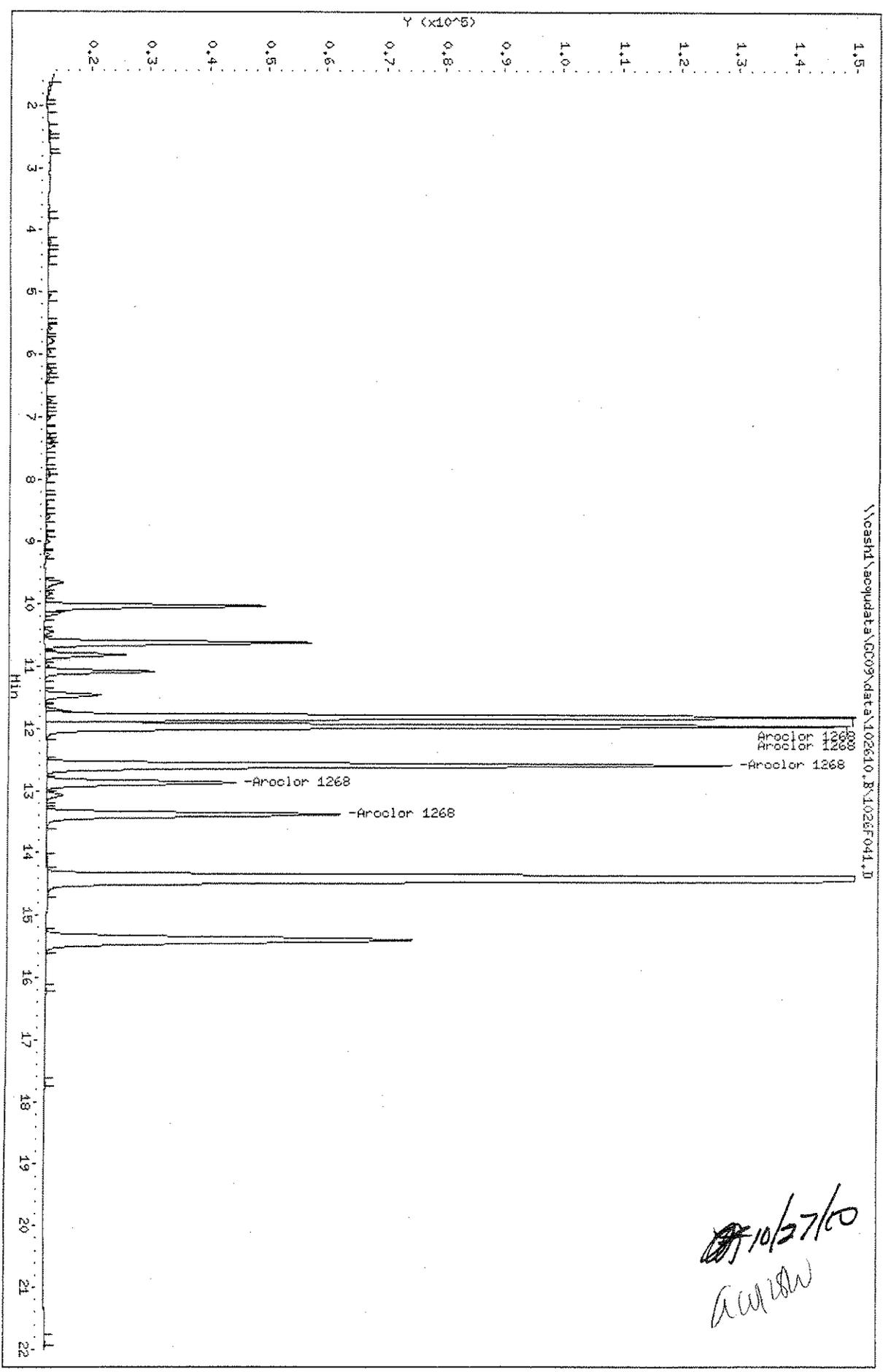
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Method #2 : \\cash1\acqdata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1268.SUB
Sub List #2 : AR1268.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1268	11.817	12.610	650055	640474	744	731	80.00- 120.00	100.00
	11.967	12.810	625565	614406	613	603	72.24- 108.36	96.23
	12.597	13.467	550898	549613	685	675	58.58- 87.86	84.75
	12.877	13.733	154880	167608	1010	946	12.82- 19.23	23.83
	13.387	14.410	255494	255297	936	914	23.76- 35.64	39.30
Average of Peak Amounts =					878	854		

Handwritten signature and date: 10/27/10

Data File: \\nosah1\acq\data\GC09\data\102610.B\1026F041.D
 Date: 27-OCT-2010 16:54
 Client ID:
 Sample Info: 1268 @ 1000ppb | PCB5-63F
 Column phase: DB-35MS

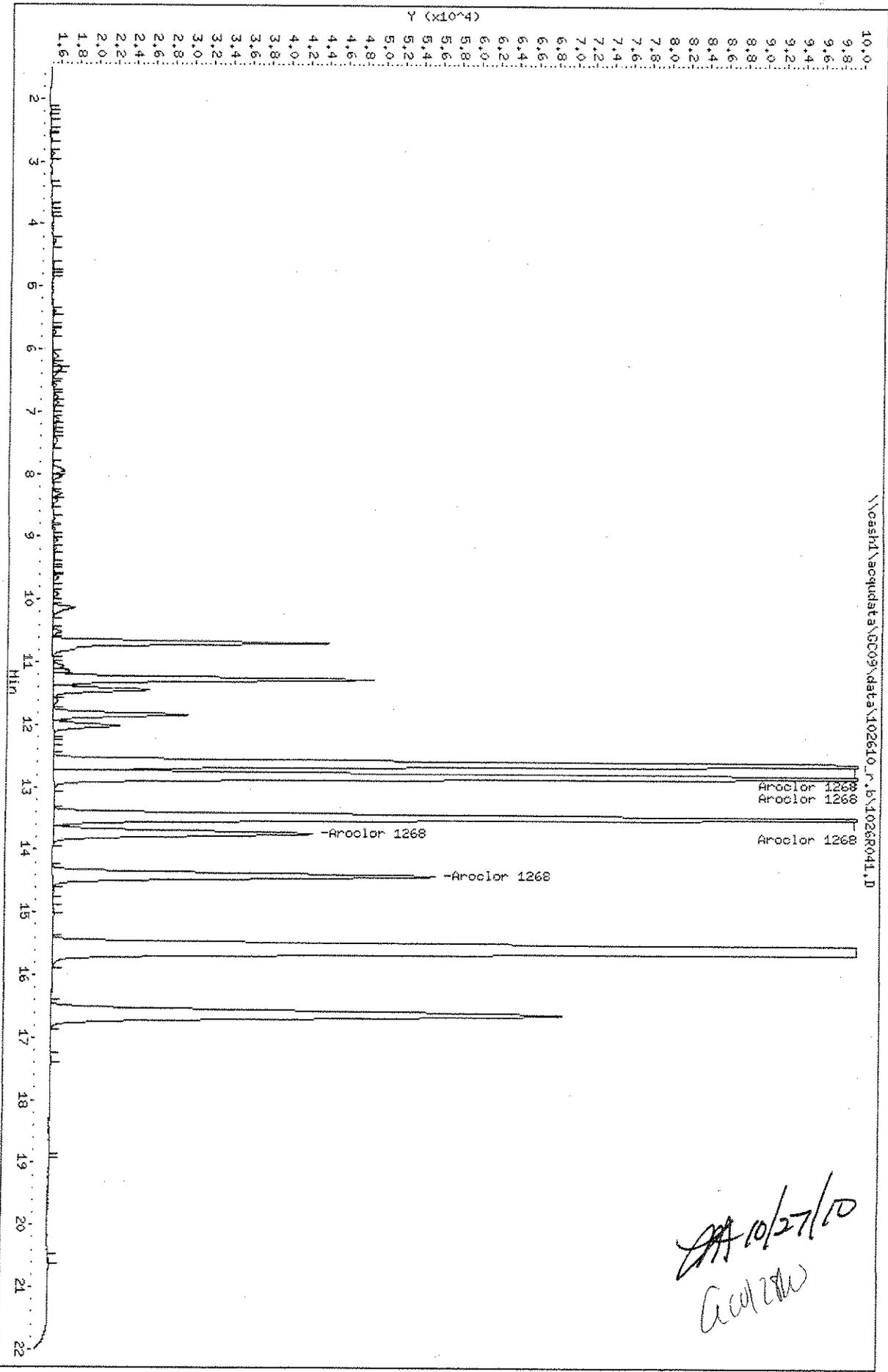
Instrument: GC09.1
 Operator: LHarris
 Column diameter: 0.53



10/27/10
AW

Data File: \\vaash1\acquadata\GC09\data\102610_r.b\1026R041.D
 Date: 27-OCT-2010 16:54
 Client ID:
 Sample Info: 1268 @ 1000ppb | PCB5-63F
 Column phase: DB-XLB

Instrument: GC09.1
 Operator: LHarris
 Column diameter: 0.53



10/27/10
Acid 28W

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Conestoga-Rovers & Associates, Incorporated
Project: 12th St. Landfill/56393-07

Service Request: K1100884
Date Analyzed: 02/07/2011

**Continuing Calibration Verification Summary
 Polychlorinated Biphenyls (PCBs)**

Calibration Type: External Standard
Analysis Method: 8082A

Calibration Date: 10/27/2010
Calibration ID: CAL9990
Analysis Lot: KWG1101442
Units: ng/mL
Column ID: DB-35MS

File ID: \\CASH1\ACQU\DATA\GC09\DATA\020711.B\0207F006.D

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	90	5200	4670	-10	NA	± 20 %	AverageRF
Aroclor 1016 {1}	1000	1000	66.0	66.7	1	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1100	116	126	9	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	1000	239	245	2	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	900	117	105	-10	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	1100	167	180	8	NA	± 100 %	AverageRF
Aroclor 1016	1000	1000	NA	NA	NA	2	± 20 %	NA
Aroclor 1260 {1}	1000	940	391	367	-6	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	900	410	367	-10	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	990	243	241	-1	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1000	235	238	1	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	890	490	437	-11	NA	± 100 %	AverageRF
Aroclor 1260	1000	950	NA	NA	NA	-5	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Conestoga-Rovers & Associates, Incorpora
 Project: 12th St. Landfill/56393-07

Service Request: K1100884
 Date Analyzed: 02/07/2011

Continuing Calibration Verification Summary
 Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
 Analysis Method: 8082A

Calibration Date: 10/27/2010
 Calibration ID: CAL9990
 Analysis Lot: KWG1101442
 Units: ng/mL
 Column ID: DB-XLB

File ID: \\CASHI\ACQU\DATA\GC09\DATA\020711_R.B\0207R006.D

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	96	5560	5340	-4	NA	± 20 %	AverageRF
Aroclor 1016 {1}	1000	1000	169	171	1	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1100	164	178	8	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	1100	131	141	8	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	1100	152	163	7	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	1100	139	150	8	NA	± 100 %	AverageRF
Aroclor 1016	1000	1100	NA	NA	NA	7	± 20 %	NA
Aroclor 1260 {1}	1000	1000	267	277	4	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	960	303	289	-4	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	990	368	364	-1	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1000	243	253	4	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	910	449	409	-9	NA	± 100 %	AverageRF
Aroclor 1260	1000	990	NA	NA	NA	-1	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

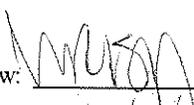
Exception Report

Data File: \\CASHI\ACQ\DATA\GC09\DATA\020711.B\0207F006.D
Lab ID: KWG1101442-1
RunType: CCV
Matrix: MARINE SEDIMENT

Date Acquired: 02/07/2011 19:58
Date Quantitated: 02/15/2011 14:32
Batch ID: KWG1101442
Analysis Method: 8082A
MethodJoinID: MJ696

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: 

Secondary Review: 2/17/11

Exception Report

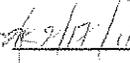
Data File: \\CASH1\ACQUADATA\GC09\DATA\020711_R.B\0207R006.D
Lab ID: KWG1101442-1
Run Type: CCV
Matrix: MARINE SEDIMENT

Date Acquired: 02/07/2011 19:58
Date Quantitated: 02/15/2011 14:32
Batch ID: KWG1101442
Analysis Method: 8082A
MethodJoinID: MJ696

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: 

Secondary Review: 

Quantitation Report

Bottle ID:	Tier:	Matrix:	MARINE SEDIMENT
Prod Code: 8082 PCB	Collect Date:	Receive Date:	02/15/2011

Analysis Lot: KWG1101442	Prep Lot:	Report Group:
Analysis Method: 8082A	Prep Method:	
Prep Ref:	Prep Date:	

Quant Method: \\CASH1\ACQU\DATA\GC09\DATA\020711.B\02610_F.M	Calibration ID: CAL9990
Title:	Method ID: MJ696
MB Ref:	Quant based on Method

Data File #1: J:\GC09\DATA\020711.B\0207F006.D	Instrument: GC09.i
Data File #2: \\cash1\acq\data\GC09\data\020711_r.b\0207R006.D	Vial: 96
Acqu Date: 02/07/2011 19:58	Quant Date: 02/15/2011 14:32
Run Type: CCV	Dilution: 1.0
Lab ID: KWG1101442-1	Soln Conc. Units: ng/mL
Signal #1: DB-35MS	Signal #2: DB-XLB

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2	Final Conc. Units:		Rpt
Tetrachloro-m-xylene	3.71	4.27	589136	592082	102.42	104.46			NA
			%Recovery =		NA	NA	Limits =	10-135	
Decachlorobiphenyl	15.21	16.40	466531	534013	89.67	96.13			NA
			%Recovery =		NA	NA	Limits =	35-133	

Target Compounds

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1016			0	0	1,022	1,066			
Aroclor 1016 {1}	5.33	5.32	66661	170740m	1,009	1,011			
Aroclor 1016 {2}	5.38	6.51	126426	177605m	1,092	1,082			
Aroclor 1016 {3}	5.89	6.68	245147	141343m	1,025	1,079			
Aroclor 1016 {4}	6.13	6.77	105398	163247m	902.62	1,075			
Aroclor 1016 {5}	6.66	7.05	179987	150485m	1,080	1,084			
Aroclor 1260			0	0	945.69	986.75			
Aroclor 1260 {1}	9.12	9.30	367195	276976	939.23	1,037			
Aroclor 1260 {2}	9.87	9.82	366838	289080	895.29	955.64			
Aroclor 1260 {3}	9.94	10.41	240703	364090	988.52	989.13			
Aroclor 1260 {4}	10.55	11.04	238228	253034	1,013	1,043			
Aroclor 1260 {5}	10.99	11.72	437022	408580	891.95	909.48			

U: Undetected at or above MDL
 F: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Data File: \\cash1\acqdata\GC09\data\020711.B\0207F006.D
 Report Date: 15-Feb-2011 14:32

Laboratory Name

Sample #1 : \\cash1\acqdata\GC09\data\020711.B\0207F006.D
 Sample #2 : \\cash1\acqdata\GC09\data\020711_r.b\0207R006.D
 Inj Date : 07-FEB-2011 19:58
 Sample Info: 1660 @ 1000ppb | PCB5-68C
 Misc Info : SEMIVOA GC\W1100957\1-IB.H
 Cal Date : 08-FEB-2011 14:51
 Operator : JMSmith
 Inst ID : GC09.i
 Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\020711.B\102610_f.m
 Method #2 : \\cash1\acqdata\GC09\data\020711_r.b\102610_r.m
 Sub List #1 : AR1660.SUB
 Sub List #2 : AR1660.SUB
 Col #1 Phase : DB-35MS
 Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.713	4.273	589136	592082	102	104		100.00
Aroclor 1016	5.330	5.320	66661	170740	1010	1010	80.00- 120.00	100.00
	5.380	6.507	126426	177605	1090	1080	139.58- 209.38	189.66
	5.890	6.680	245147	141343	1020	1080	284.42- 426.63	367.75
	6.127	6.773	105398	163247	903	1070	129.38- 194.07	158.11
	6.660	7.047	179987	150485	1080	1080	206.47- 309.71	270.00
	Average of Peak Amounts =				1020	1060		
Aroclor 1260	9.123	9.303	367195	276976	939	1040	80.00- 120.00	100.00
	9.870	9.823	366838	289080	895	956	80.46- 120.69	99.90
	9.940	10.407	240703	364090	988	989	52.68- 79.02	65.55
	10.547	11.040	238228	253034	1010	1040	51.88- 77.82	64.88
	10.987	11.720	437022	408580	892	909	97.47- 146.20	119.02
	Average of Peak Amounts =				945	987		
Decachlorobiphenyl	15.213	16.397	466531	534013	89.7	96.1		100.00

Data File: \\casshl\acq\data\GC09\data\020711_r.b\0207R006.D

Date : 07-FEB-2011 19:58

Client ID:

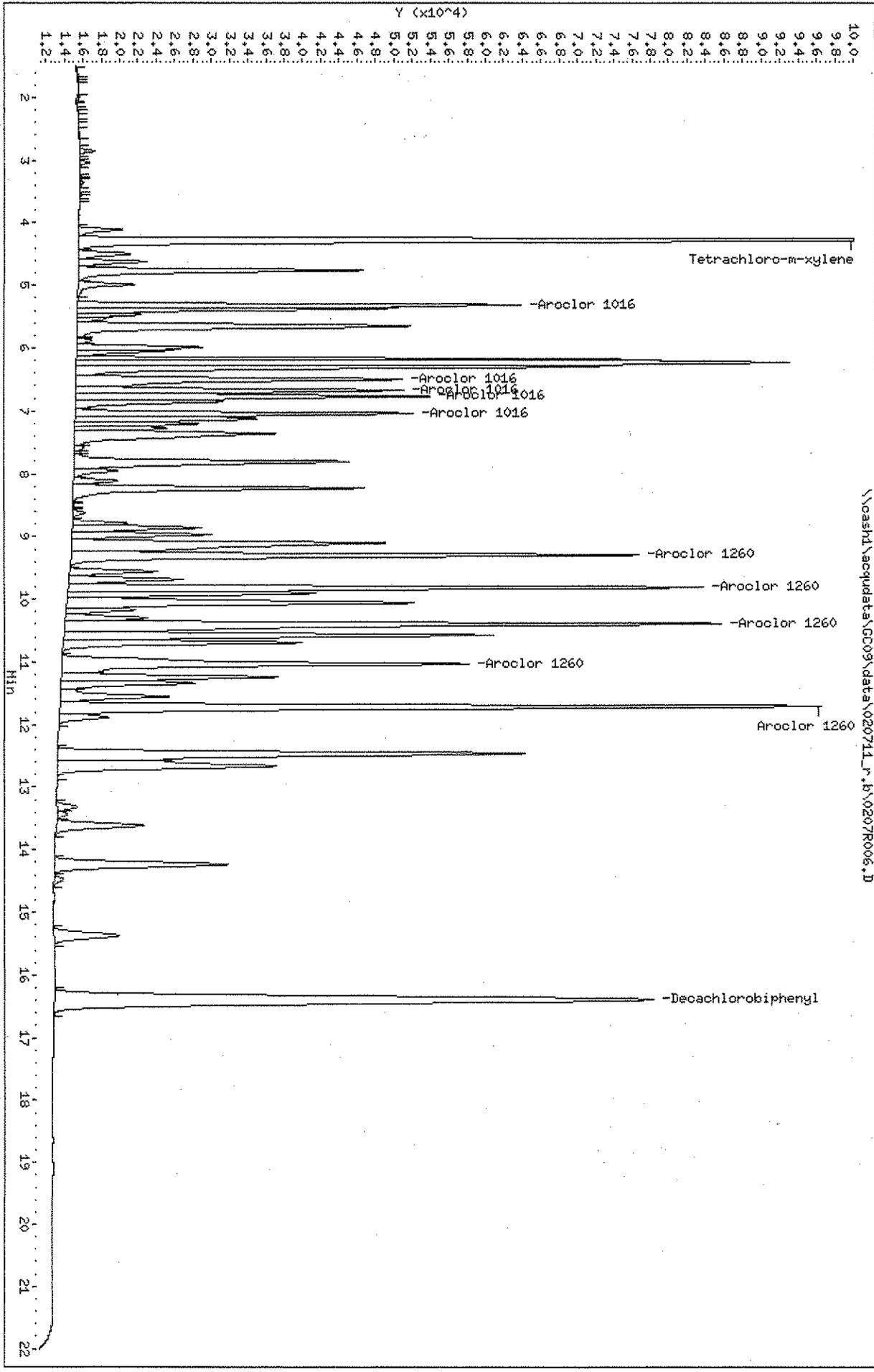
Sample Info: 1660 @ 1000ppb | PCB5-68C

Column phase: DB-XLB

Instrument: GC09.i

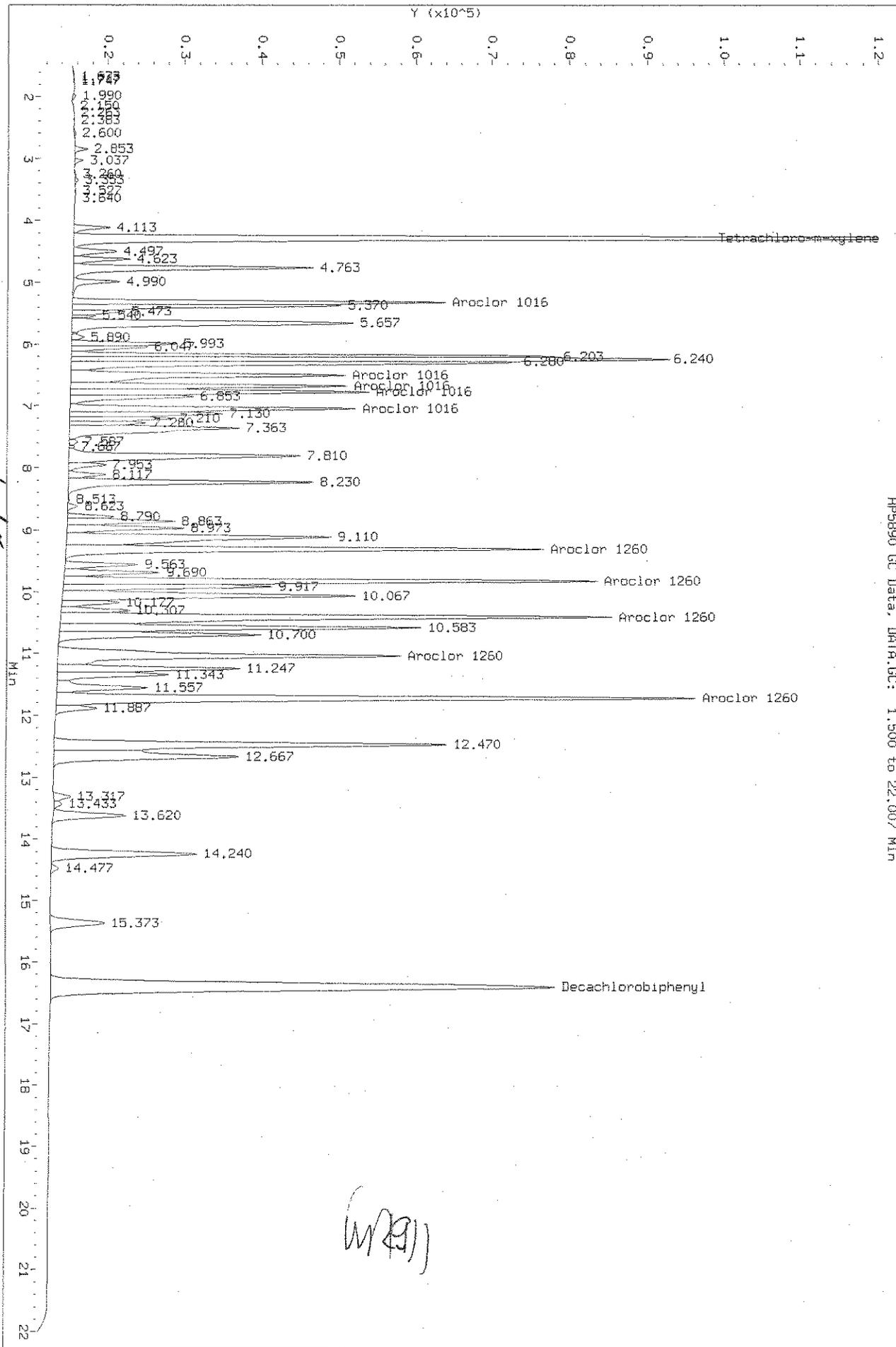
Operator: JMSmith

Column diameter: 0.53



Data File: \casht1\acq\data\GC09\data\020711_r.b\0207R006.D
Injection Date: 07-FEB-2011 19:58
Instrument: GC09.1
Client Sample ID:

HP5890 GC Data, DATA.GC: 1.500 to 22.007 MIN



Handwritten signature

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Data File: \\nasht1\acq\data\GC09\data\020711.P\0207F006.D
Date : 07-FEB-2011 19:58

Client ID:
Sample Info: 1660 @ 1000ppb | PCBs-68C

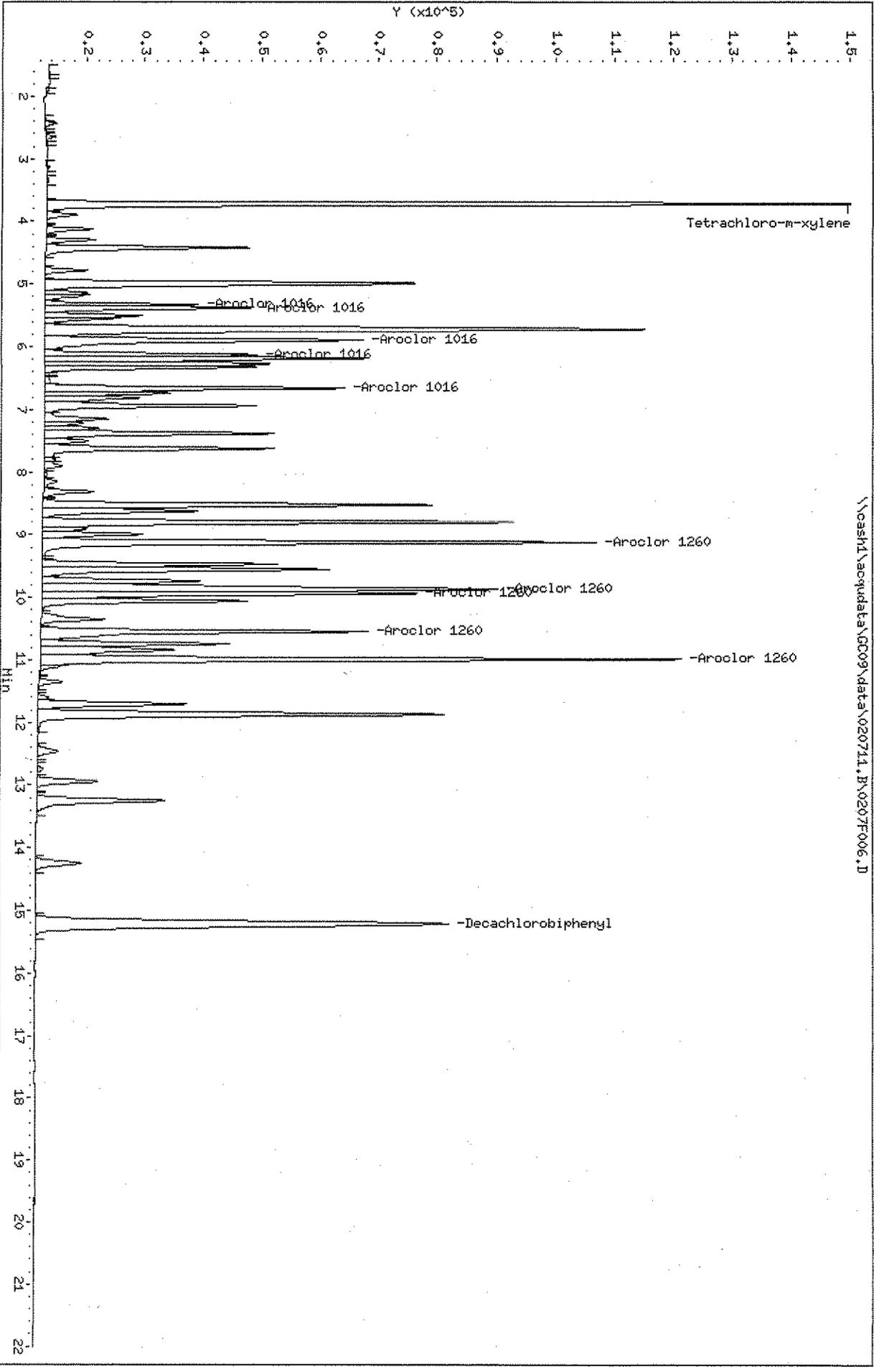
Column phase: DB-35MS

Instrument: GC09.i

Operator: JHSmith

Column diameter: 0.53

\\nasht1\acq\data\GC09\data\020711.P\0207F006.D



COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Conestoga-Rovers & Associates, Incorporated
Project: 12th St. Landfill/56393-07

Service Request: K1100884
Date Analyzed: 02/08/2011

**Continuing Calibration Verification Summary
 Polychlorinated Biphenyls (PCBs)**

Calibration Type: External Standard
Analysis Method: 8082A

Calibration Date: 10/27/2010
Calibration ID: CAL9990
Analysis Lot: KWG1101442
Units: ng/mL
Column ID: DB-35MS

File ID: \\CASH1\ACQU\DATA\GC09\DATA\020711.B\0207F016.D

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	95	5200	4940	-5	NA	± 20 %	AverageRF
Aroclor 1016 {1}	1000	1100	66.0	71.6	8	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1100	116	125	8	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	1100	239	254	6	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	990	117	116	-1	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	1100	167	185	11	NA	± 100 %	AverageRF
Aroclor 1016	1000	1100	NA	NA	NA	7	± 20 %	NA
Aroclor 1260 {1}	1000	980	391	383	-2	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	940	410	385	-6	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1000	243	252	4	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1100	235	248	6	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	950	490	466	-5	NA	± 100 %	AverageRF
Aroclor 1260	1000	990	NA	NA	NA	-1	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Conestoga-Rovers & Associates, Incorpora
Project: 12th St. Landfill/56393-07

Service Request: K1100884
Date Analyzed: 02/08/2011

**Continuing Calibration Verification Summary
 Polychlorinated Biphenyls (PCBs)**

Calibration Type: External Standard
Analysis Method: 8082A

Calibration Date: 10/27/2010
Calibration ID: CAL9990
Analysis Lot: KWG1101442
Units: ng/mL
Column ID: DB-XLB

File ID: \\CASHI\ACQU\DATA\GC09\DATA\020711_R.B\0207R016.D

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	99	5560	5500	-1	NA	± 20 %	AverageRF
Aroclor 1016 {1}	1000	1000	169	170	1	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1100	164	178	8	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	1100	131	141	8	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	1100	152	161	6	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	1100	139	148	6	NA	± 100 %	AverageRF
Aroclor 1016	1000	1100	NA	NA	NA	6	± 20 %	NA
Aroclor 1260 {1}	1000	1000	267	279	4	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	990	303	300	-1	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1000	368	376	2	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1100	243	260	7	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	950	449	426	-5	NA	± 100 %	AverageRF
Aroclor 1260	1000	1000	NA	NA	NA	2	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

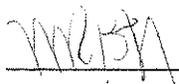
Exception Report

Data File: \\CASH1\ACQU\DATA\GC09\DATA\020711_R.B\0207R016.D
Lab ID: KWG1101442-3
RunType: CCV
Matrix: MARINE SEDIMENT

Date Acquired: 02/08/2011 00:24
Date Quantitated: 02/15/2011 14:32
Batch ID: KWG1101442
Analysis Method: 8082A
MethodJoinID: MJ696

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: 

Secondary Review: 

Quantitation Report

Bottle ID:	Tier:	Matrix:
Prod Code: 8082 PCB	Collect Date:	MARINE SEDIMENT
		Receive Date: 02/15/2011

Analysis Lot: KWG1101442	Prep Lot:	Report Group:
Analysis Method: 8082A	Prep Method:	
Prep Ref:	Prep Date:	

Quant Method: \\CASHI\ACQU\DATA\GC09\DATA\020711.B\102610_F.M	Calibration ID: CAL9990
Title:	Method ID: MJ696
MB Ref:	Quant based on Method

Data File #1: J:\GC09\DATA\020711.B\0207F016.D	Instrument: GC09.i
Data File #2: \\cash1\acq\data\GC09\data\020711_r.b\0207R016.D	Vial: 96
Acqu Date: 02/08/2011 00:24	Quant Date: 02/15/2011 14:32
Run Type: CCV	Dilution: 1.0
Lab ID: KWG1101442-3	Soln Conc. Units: ng/mL
Signal #1: DB-35MS	Signal #2: DB-XLB

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	Final Conc. Units:		Rpt
Tetrachloro-m-xylene	3.71	4.27	570093	589506	99.11	104.01			NA
			%Recovery =		NA	NA	Limits =	10-135	
Decachlorobiphenyl	15.21	16.39	493825	549964	94.92	99.00			NA
			%Recovery =		NA	NA	Limits =	35-133	

Target Compounds

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1016			0	0	1,065	1,058			
Aroclor 1016 {1}	5.33	5.32	71566	170084	1,084	1,007			
Aroclor 1016 {2}	5.38	6.50	124869	177606	1,079	1,082			
Aroclor 1016 {3}	5.89	6.68	254434	141295	1,064	1,079			
Aroclor 1016 {4}	6.12	6.77	115743	160573	991.21	1,057			
Aroclor 1016 {5}	6.66	7.04	184707	147848	1,109	1,065			
Aroclor 1260			0	0	992.20	1,015			
Aroclor 1260 {1}	9.12	9.30	382722	279162	978.95	1,045			
Aroclor 1260 {2}	9.87	9.82	384913	299785	939.41	991.02			
Aroclor 1260 {3}	9.94	10.40	252038	376322	1,035	1,022			
Aroclor 1260 {4}	10.54	11.04	248196	259530	1,056	1,070			
Aroclor 1260 {5}	10.99	11.72	466293	426184	951.69	948.66			

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 c: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Laboratory Name

Sample #1 : \\cash1\acqdata\GC09\data\020711.B\0207F016.D
 Sample #2 : \\cash1\acqdata\GC09\data\020711_r.b\0207R016.D
 Inj Date : 08-FEB-2011 00:24
 Sample Info: 1660 @ 1000ppb | PCB5-68C
 Misc Info : SEMIVOA GC\W1100957\1-IB.H
 Cal Date : 08-FEB-2011 14:51
 Operator : JMSmith
 Inst ID : GC09.i
 Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\020711.B\102610_f.m
 Method #2 : \\cash1\acqdata\GC09\data\020711_r.b\102610_r.m
 Sub List #1 : AR1660.SUB
 Sub List #2 : AR1660.SUB
 Col #1 Phase : DB-35MS
 Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.713	4.270	570093	589506	99.1	104		100.00
Aroclor 1016	5.327	5.320	71566	170084	1080	1010	80.00- 120.00	100.00
	5.377	6.503	124869	177606	1080	1080	139.58- 209.38	174.48
	5.890	6.677	254434	141295	1060	1080	284.42- 426.63	355.52
	6.123	6.773	115743	160573	991	1060	129.38- 194.07	161.73
	6.657	7.043	184707	147848	1110	1060	206.47- 309.71	258.09
	Average of Peak Amounts =				1060	1060		
Aroclor 1260	9.120	9.303	382722	279162	979	1040	80.00- 120.00	100.00
	9.867	9.820	384913	299785	939	991	80.46- 120.69	100.57
	9.937	10.403	252038	376322	1040	1020	52.68- 79.02	65.85
	10.543	11.037	248196	259530	1060	1070	51.88- 77.82	64.85
	10.987	11.717	466293	426184	952	949	97.47- 146.20	121.84
	Average of Peak Amounts =				994	1010		
Decachlorobiphenyl	15.210	16.393	493825	549964	94.9	99.0		100.00

Data File: \\casht\acq\data\GC09\data\020711.B\0207F016.D
Date: 08-FEB-2011 09:24

Client ID:

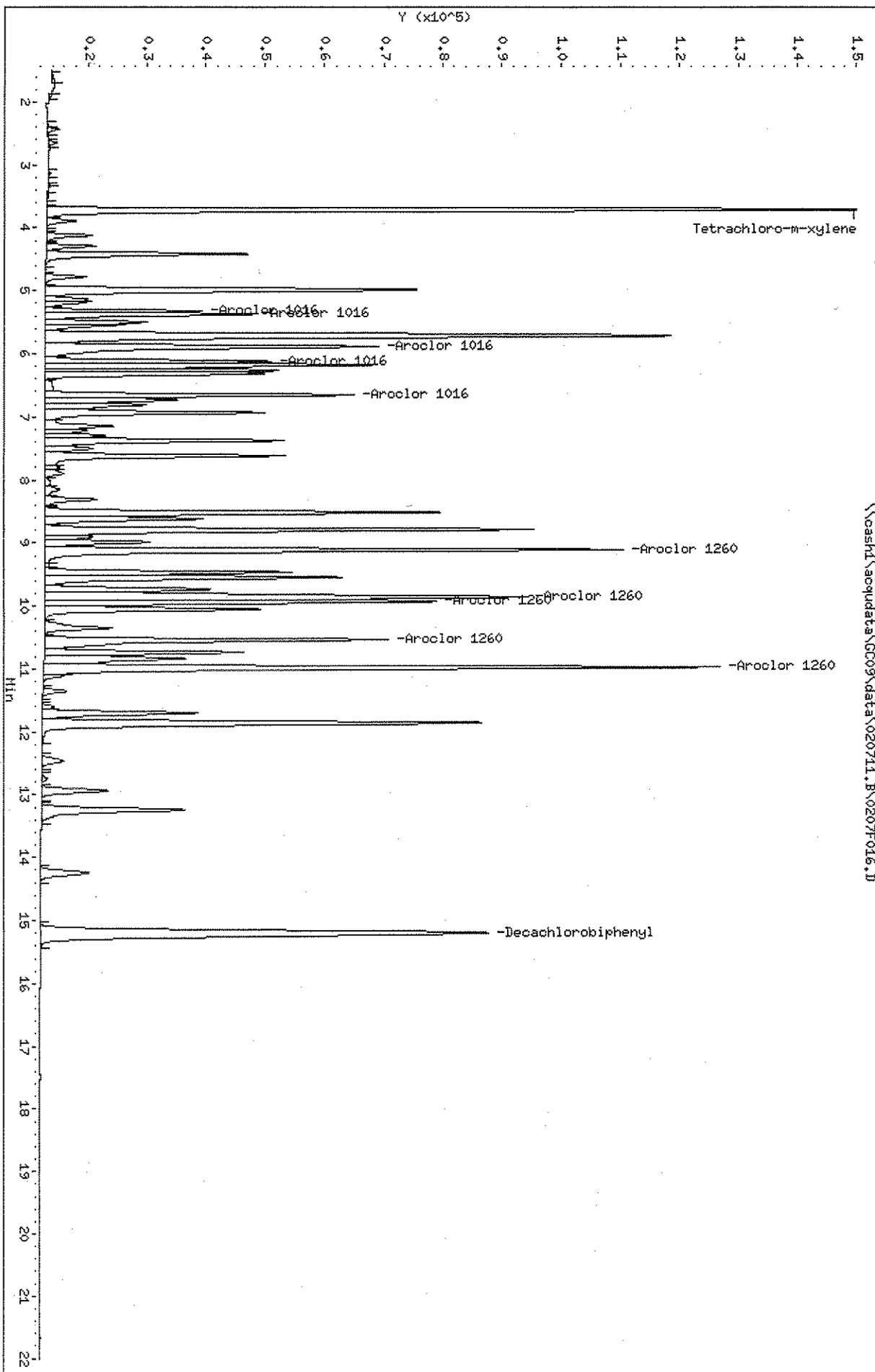
Sample Info: 1660 @ 1000ppb | PCB5-68C

Column phase: DB-35MS

Instrument: GC09.1

Operator: JMSmith

Column diameter: 0.53



Data File: \\nosah1\acq\data\GC09\data\020711_r_b\0207R016.D
Date : 08-FEB-2011 00:24

Client ID:

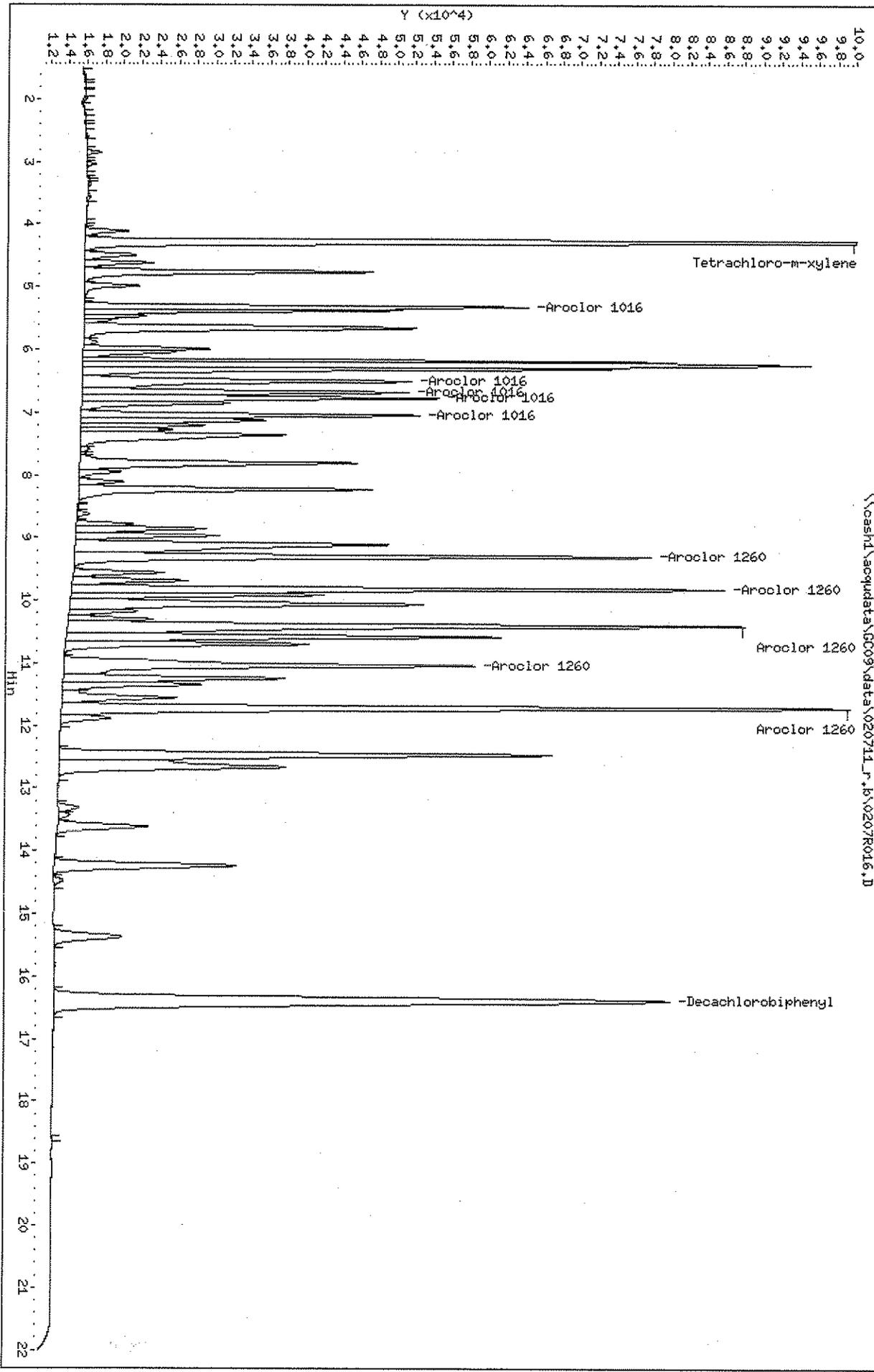
Sample Info: 1660 @ 1000ppb | PCB5-68C

Column phase: DB-XLB

Instrument: GC09.1

Operator: JMSmith

Column diameter: 0.53



Organic Analysis:
Polychlorinated Biphenyls (PCBs)

Validation Package

Sample Prep and Screen Data

Preparation Information

Group ID:	KWG1101157	Prep Method:	EPA 3541	Prep Date:	02/04/11 00:00
Department:	Semivoa GC				

Lab Code	Client ID	Product	Matrix	Amt. Ext.	Final Vol.	Solids
K1100884-001	SO-56393-020111-EV-001	8082 PCB_LL	SOIL	40.05g	4mL	
K1100884-002	SO-56393-020111-EV-002	8082 PCB_LL	SOIL	40.02g	4mL	
KWG1101157-1	Matrix Spike	8082 PCB_LL	SOIL	40.07g	4mL	
KWG1101157-2	Duplicate Matrix Spike	8082 PCB_LL	SOIL	40.08g	4mL	
KWG1101157-3	Lab Control Sample	8082 PCB_LL	SOIL	20.00g	4mL	
KWG1101157-4	Method Blank	8082 PCB_LL	SOIL	40.08g	4mL	

Lab Code	Parent Lab Code	Comments
KWG1101157-1	K1100884-001	KQ1100983-01
KWG1101157-2	K1100884-001	KQ1100983-02
KWG1101157-3		KQ1100983-03
KWG1101157-4		KQ1100983-04

Lab Code	Prep Event ID	Surrogate Solution ID	Amount Added	Spike Solution ID	Amount Added	Witness
K1100884-001	997017					Iw
K1100884-002	997018					Iw
KWG1101157-1	997019					Iw
KWG1101157-2	997020					Iw
KWG1101157-3	997021					Iw
KWG1101157-4	997022					Iw

Comments: _____

Started By: <u>dw</u>	Assisted By: _____		<u>Training</u>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Completed By: <u>km</u>	Assisted By: _____			<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Reviewed By: <u><i>[Signature]</i></u>	Date: <u>02/08/11</u>	Storage: _____			

Chain of Custody

Relinquished By: <u><i>[Signature]</i></u>	Date: <u>2-4-11</u>		<u>Extracts Examined</u>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Received By: <u><i>[Signature]</i></u>	Date: <u>02/08/11</u>			<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

Columbia Analytical Services Preparation Information Benchsheet

Prep Run: 128271 **Prep Workflow:** OrgExtS (14) **Status:** Prepped
Team: Semivoa GC **Prep Method:** EPA 3541 **Current Step:** Final Volume
Analyst: dw **Rush/NPDES:** N/A **Prep Date:** 02/04/2011 00:00
Due Date: 02/13/2011

Lab Code	Client ID	Bottle #	Target Amt	Initial Amt	Final Volume	TestNo List	Comments
K1100884-001	SO-56393-020111-EV-001	.01	20.00 g	40.05 g	4 mL	PCB_LL	
K1100884-002	SO-56393-020111-EV-002	.01	20.00 g	40.02 g	4 mL	PCB_LL	
K1100884-001: KQ1100983-01	Matrix Spike	.01	20.00 g	40.07 g	4 mL	PCB_LL	
K1100884-001: KQ1100983-02	Duplicate Matrix Spike	.01	20.00 g	40.08 g	4 mL	PCB_LL	
KQ1100983-03	Lab Control Sample		20.00 g	20.00 g	4 mL	PCB_LL	
KQ1100983-04	Method Blank		20.00 g	40.08 g	4 mL	PCB_LL	

6 Total Samples consisting of 2 Client Samples, 2 Client QC Samples, 2 Batch QC Samples associated with the current Prep Run.

Spiking Solutions

Witness: lw

Preparation Steps

Step	Started	Finished	By	Assisted By	Training?	Comments
Extraction	04-FEB-11 00:00	04-FEB-11 00:00	dw		N	
Final Volume	04-FEB-11 00:00	04-FEB-11 00:00	km		N	

Comments

Review

Reviewed by: *[Signature]* Date: *02/04/11*

Chain of Custody

Relinquished By: <u><i>[Signature]</i></u>	Date: <u><i>2-4-11</i></u>	Extracts/Digestions Examined <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Received By: <u><i>[Signature]</i></u>	Date: <u><i>02/06/11</i></u>	

Columbia Analytical Services Preparation Information Benchsheet

Prep Run: 128271 **Prep Workflow:** OrgExtS (14) **Status:** Draft **Prep Date:** 02/04/2011 03:54
Team: Semivoa GC **Prep Method:** EPA 3541 **Current Step:** Extraction **Due Date:** 02/08/2011
Analyst: DWOOD **Rush/NPDES:** N/A

Lab Code	Client ID	Bottle #	✓	Target Amt	Initial Amount	Inter. Volume	Final Volume	Surr Amt	Spike Amt	TestNo List
K1100884-001	SO-56393-020111-EV-001	.01	✓	20.00 g	40.05	NA	4 ml	200 µl	NA	PCB_LL
K1100884-002	SO-56393-020111-EV-002	.01	✓	20.00 g	40.02	↓	↓	↓	↓	PCB_LL
K1100884-001: KQ1100983-01	Matrix Spike	.01	✓	20.00 g	40.07	↓	↓	↓	100 µl	PCB_LL
K1100884-001: KQ1100983-02	Duplicate Matrix Spike	.01	✓	20.00 g	40.08	↓	↓	↓	↓	PCB_LL
KQ1100983-03	Lab Control Sample			20.00 g	20.00	↓	↓	↓	↓	PCB_LL
KQ1100983-04	Method Blank			20.00 g	40.08	↓	↓	↓	NA	PCB_LL

6 Total Samples consisting of 2 Client Samples, 2 Client QC Samples, 2 Batch QC Samples associated with the current Prep Run.

Spiking Solutions

Witness: *[Signature]*

PCBS-68M 20ppm 200 µl exp 6-16-11

PCBS-67B 40ppm 100 µl exp 5-1-11

Preparation Steps

Step	Started	Finished	By	Assisted By	Training?	Comments
Extraction	2-4-11	2-4-11	Dwood			
Acid Clean						
Final Volume		2/4/11	K			

Comments

Additional Prep Information For Pest/PCB Soils

Service Request # K1100884 Work Group # KQ1100983

Solvents/Reagents used:

DCM Lot # DD020 Sulfate Lot # BA0921 Sand # 050710

Soxtherm Start (Time/Date/Initial): 0545/2-4-11/DW

Soxtherm Stop (Time/Date/Initial): 0815/2-4-11/DW

Cleanups:

GPC Clean-up (3640): — (all samples)

Solvent Exchanged To Hexane (Date/Initial) yes: 2-4-11/Kh S-Evap Temp: —

Sulfuric Acid Clean-up (3665): 2-4-11/Kh (PCB aliquots only)

Clean-up #3: 3665 2-4-11/Kh all samples some samples: Lot # J36N00

Clean-up #4: — all samples some samples: —

Pest Vial: —

Vial Storage: —

PCB Vial: Green

Vial Storage: Goody E1-6

Archived Extract Storage: Archived

Comments/Observations: #2, LCS, MB- Sat on Florisil, #2 was slightly yellow. Kh 2-4-11

Bench Sheet Review Check List

- Hold Times Met (if no, Reason: _____)
- Prep date, dept, method, product code correct in stealth
- Spike Information correct
- Weights/Volumes and units correct on raw and final bench sheets
- Sample IDs have been checked—Bottle numbers appended if required
- Names present for: Started by, Completed by, relinquished by, and witnessed by.
- Training has been circled
- Extract Storage recorded
- Additional Prep Sheet completely filled out (NA or line out Blanks)
- All clean-ups have been noted on additional prep sheet
- Signed service request with Form V, if applicable, has been attached

Sequence Name: D:\GC09\SEQUENCE\020711.S
 Comment: PCB Aroclors by EPA 8082
 Operator: JMSmith
 Data Path: D:\GC09\DATA\020711.B\
 Pre-Seq Cmd:
 Post-Seq Cmd:

Method Sections To Run On A Barcode Mismatch
 Full Method Inject Anyway
 Reprocessing Only Don't Inject

602.9990

Line Type Vial DataFile Method Sample Name

1	DeleteGC				
2	MaskName	-	-----r---		
3	IB	90	0207F001	PCB_REG	C6
4	IB	90	0207F002	PCB_REG	C6
5	IB	90	0207F003	PCB_REG	C6
6	IB	90	0207F004	PCB_REG	C6
7	IB	90	0207F005	PCB_REG	C6
8	CCV	96	0207F006	PCB_REG	1660 @ 1000ppb PCB5-68C
9	IB	86	0207F007	PCB_REG	IB
10	LCS	1	0207F008	PCB_REG	KQ1100983-03LCS
11	MB	2	0207F009	PCB_REG	KQ1100983-04MB
12	SMPL	3	0207F010	PCB_REG	K1100884-002
13	SMPL	4	0207F011	PCB_REG	K1100884-001 @ 10X
14	MS	5	0207F012	PCB_REG	K1100884-001MS @ 10X
15	DMS	6	0207F013	PCB_REG	K1100884-001DMS @ 10X
16	IB	90	0207F014	PCB_REG	C6
17	IB	90	0207F015	PCB_REG	C6
18	CCV	96	0207F016	PCB_REG	1660 @ 1000ppb PCB5-68C
19	IB	86	0207F017	PCB_REG	IB

Rev #235078

Exception Report

Data File: \\CASH1\ACQUADATA\GC09\DATA\020711.B\0207F007.D
Lab ID: KWG1101442-2
RunType: IB
Matrix: MARINE SEDIMENT

Date Acquired: 02/07/2011 20:25
Date Quantitated: 02/15/2011 14:32
Batch ID: KWG1101442
Analysis Method: 8082A
MethodJoinID: MJ696

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: _____

Secondary Review: _____

Exception Report

Data File: \\CASHI\ACQUDATA\GC09\DATA\020711_R.B\0207R007.D
Lab ID: KWG1101442-2
RunType: IB
Matrix: MARINE SEDIMENT

Date Acquired: 02/07/2011 20:25
Date Quantitated: 02/15/2011 14:32
Batch ID: KWG1101442
Analysis Method: 8082A
MethodJoinID: MJ696

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: J. Wilson

Secondary Review: 2/15/11

Quantitation Report

Bottle ID:	Tier:	Matrix:	MARINE SEDIMENT
Prod Code: 8082 PCB	Collect Date:	Receive Date:	02/15/2011

Analysis Lot: KWG1101442	Prep Lot:	Report Group:
Analysis Method: 8082A	Prep Method:	
Prep Ref:	Prep Date:	

Quant Method: \\CASH1\ACQU\DATA\GC09\DATA\020711.B\102610_F.M	Calibration ID: CAL9990
Title:	Method ID: MJ696
MB Ref:	Quant based on Method

Data File #1: J:\GC09\DATA\020711.B\0207F007.D	Instrument: GC09.i
Data File #2: \\cash1\acqudata\GC09\data\020711_r.b\0207R007.D	Vial: 86
Acqu Date: 02/07/2011 20:25	Quant Date: 02/15/2011 14:32
Run Type: IB	Dilution: 1.0
Lab ID: KWG1101442-2	Soln Conc. Units: ng/mL
Signal #1: DB-35MS	Signal #2: DB-XLB

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2	Final Conc. Units:		Rpt
Tetrachloro-m-xylene	0.00		0d	0d		0.0000			NA
			%Recovery =		NA	NA	Limits =	10-135	
Decachlorobiphenyl	0.00		0	0		0.0000			NA
			%Recovery =		NA	NA	Limits =	35-133	

Target Compounds

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1016			0	0	0.0000	0.0000			
Aroclor 1016 {1}			0	0	0.0000	0.0000			
Aroclor 1016 {2}			0	0	0.0000	0.0000			
Aroclor 1016 {3}			0	0	0.0000	0.0000			
Aroclor 1016 {4}			0	0	0.0000	0.0000			
Aroclor 1016 {5}			0	0	0.0000	0.0000			
Aroclor 1221			0	0	0.0000	0.0000			
Aroclor 1221 {1}			0	0	0.0000	0.0000			
Aroclor 1221 {2}			0	0	0.0000	0.0000			
Aroclor 1221 {3}			0	0	0.0000	0.0000			
Aroclor 1221 {4}			0	0	0.0000	0.0000			
Aroclor 1232			0	0	0.0000	0.0000			
Aroclor 1232 {1}			0	0	0.0000	0.0000			
Aroclor 1232 {2}			0	0	0.0000	0.0000			
Aroclor 1232 {3}			0	0	0.0000	0.0000			
Aroclor 1232 {4}			0	0	0.0000	0.0000			
Aroclor 1242			0	0	0.0000	0.0000			
Aroclor 1242 {1}			0	0	0.0000	0.0000			

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Data File #1:	J:\GC09\DATA\020711.B\0207F007.D	Instrument:	GC09.i
Data File #2:	\\cash1\acqdata\GC09\data\020711_r.b\0207R007.D	Vial:	86
Acqu Date:	02/07/2011 20:25	Quant Date:	02/15/2011 14:32
Run Type:	IB	Dilution:	1.0
Lab ID:	KWG1101442-2	Soln Conc. Units:	ng/mL
Signal #1:	DB-35MS	Signal #2:	DB-XLB

Target Compounds Final Conc. Units:

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1242 {2}			0	0	0.0000	0.0000			
Aroclor 1242 {3}			0	0	0.0000	0.0000			
Aroclor 1242 {4}			0	0	0.0000	0.0000			
Aroclor 1242 {5}			0	0	0.0000	0.0000			
Aroclor 1248			0	0	0.0000	0.0000			
Aroclor 1248 {1}			0	0	0.0000	0.0000			
Aroclor 1248 {2}			0	0	0.0000	0.0000			
Aroclor 1248 {3}			0	0	0.0000	0.0000			
Aroclor 1248 {4}			0	0	0.0000	0.0000			
Aroclor 1248 {5}			0	0	0.0000	0.0000			
Aroclor 1254			0	0	0.0000	0.0000			
Aroclor 1254 {1}			0	0	0.0000	0.0000			
Aroclor 1254 {2}			0	0	0.0000	0.0000			
Aroclor 1254 {3}			0	0	0.0000	0.0000			
Aroclor 1254 {4}			0	0	0.0000	0.0000			
Aroclor 1254 {5}			0	0	0.0000	0.0000			
Aroclor 1260			0	0	0.0000	0.0000			
Aroclor 1260 {1}			0	0	0.0000	0.0000			
Aroclor 1260 {2}			0	0	0.0000	0.0000			
Aroclor 1260 {3}			0	0	0.0000	0.0000			
Aroclor 1260 {4}			0	0	0.0000	0.0000			
Aroclor 1260 {5}			0	0	0.0000	0.0000			
Aroclor 1262			0	0	0.0000	0.0000			
Aroclor 1262 {1}			0	0	0.0000	0.0000			
Aroclor 1262 {2}			0	0	0.0000	0.0000			
Aroclor 1262 {3}			0	0	0.0000	0.0000			
Aroclor 1262 {4}			0	0	0.0000	0.0000			
Aroclor 1262 {5}			0	0	0.0000	0.0000			
Aroclor 1268			0	0	0.0000	0.0000			
Aroclor 1268 {1}			0	0	0.0000	0.0000			
Aroclor 1268 {2}			0	0	0.0000	0.0000			
Aroclor 1268 {3}			0	0	0.0000	0.0000			
Aroclor 1268 {4}			0	0	0.0000	0.0000			
Aroclor 1268 {5}			0	0	0.0000	0.0000			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
E: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\cash1\acqdata\GC09\data\020711.B\0207F007.D
Report Date: 15-Feb-2011 14:32

Laboratory Name

Sample #1 : \\cash1\acqdata\GC09\data\020711.B\0207F007.D
Sample #2 : \\cash1\acqdata\GC09\data\020711_r.b\0207R007.D
Inj Date : 07-FEB-2011 20:25
Sample Info: IB
Misc Info : SEMIOVA GC\W1100957\1-IB.H
Cal Date : 08-FEB-2011 14:51
Operator : JMSmith
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\020711.B\102610_f.m
Method #2 : \\cash1\acqdata\GC09\data\020711_r.b\102610_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
----------	------	------	--------	--------	--------	--------	--------------	-------

=====

Data File: \\ncash1\acq\data\GC09\data\020711.B\0207F007.D

Date : 07-FEB-2011 20:25

Client ID:

Sample Info: IB

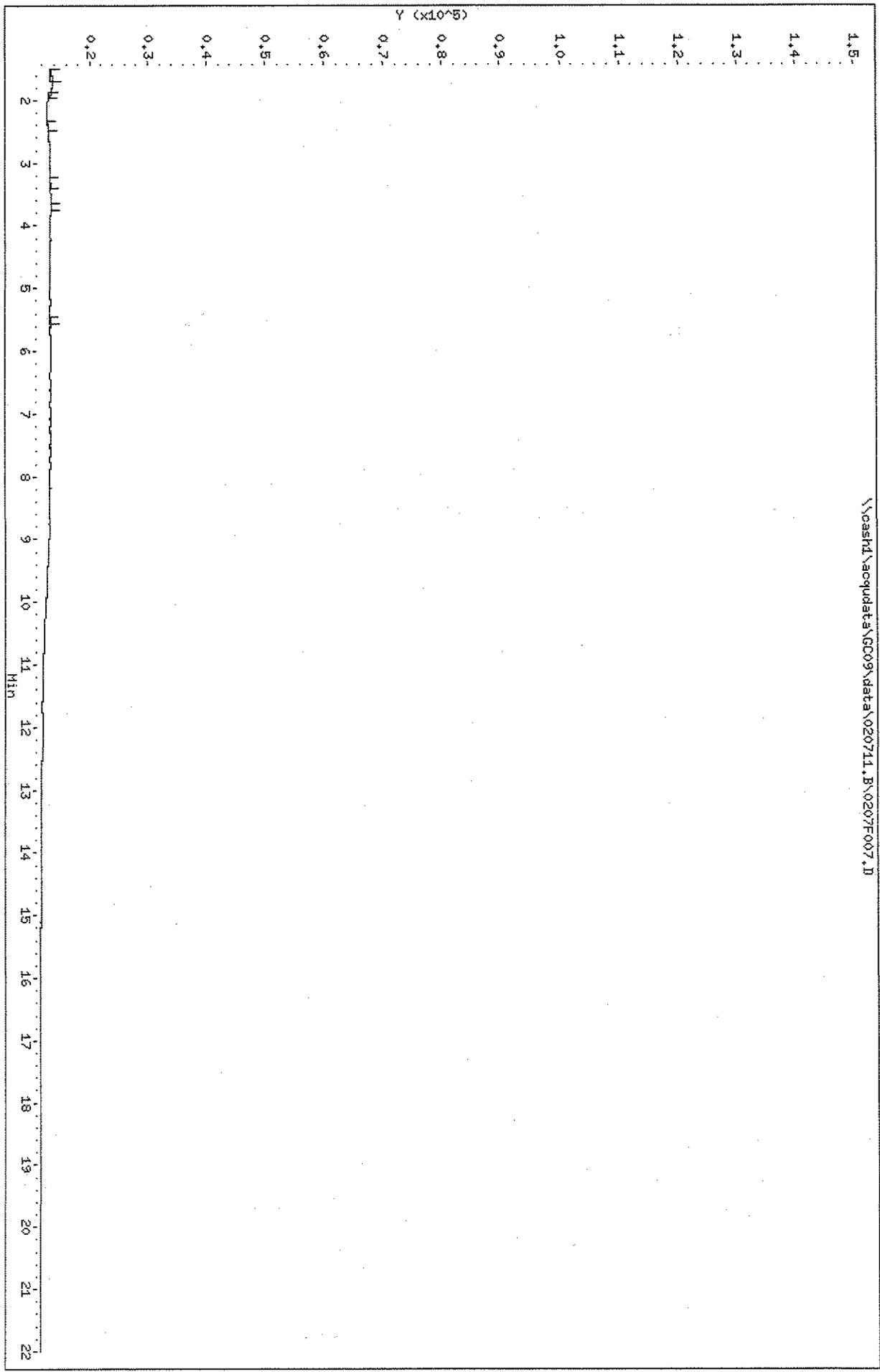
Column phase: DB-35MS

Instrument: GC09.i

Operator: JHSmith

Column diameter: 0.53

\\ncash1\acq\data\GC09\data\020711.B\0207F007.D



Data File: \\casha1\acq\data\GC09\data\020711_r.j\0207R007.D
Date: 07-FEB-2011 20:25

Client ID:
Sample Info: IB

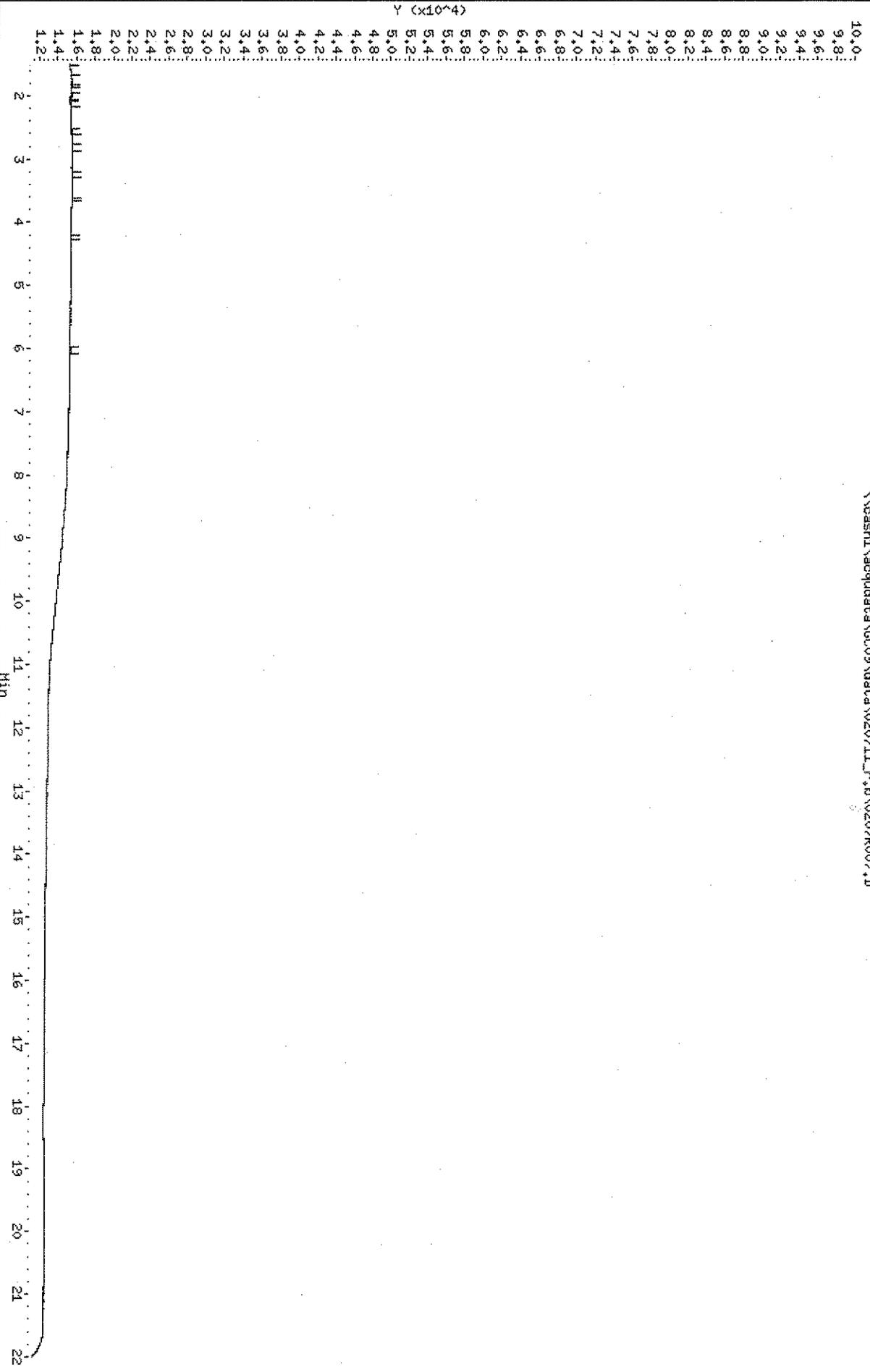
Column phase: DB-XLB

Instrument: GC09.I

Operator: JHSmith

Column diameter: 0.53

\\casha1\acq\data\GC09\data\020711_r.j\0207R007.D



Exception Report

Data File: \\CASH1\ACQU\DATA\GC09\DATA\020711_R.B\0207R017.D
Lab ID: KWG1101442-4
Run Type: IB
Matrix: MARINE SEDIMENT

Date Acquired: 02/08/2011 00:51
Date Quantitated: 02/15/2011 14:32
Batch ID: KWG1101442
Analysis Method: 8082A
MethodJoinID: MJ696

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: 

Secondary Review: 02/15/11

Quantitation Report

Bottle ID:	Tier:	Matrix:
Prod Code: 8082 PCB	Collect Date:	MARINE SEDIMENT
		Receive Date: 02/15/2011

Analysis Lot: KWG1101442	Prep Lot:	Report Group:
Analysis Method: 8082A	Prep Method:	
Prep Ref:	Prep Date:	

Quant Method: \\CASH1\ACQU\DATA\GC09\DATA\020711.B\102610_F.M	Calibration ID: CAL9990
Title:	
MB Ref:	Method ID: MJ696
	Quant based on Method

Data File #1: J:\GC09\DATA\020711.B\0207F017.D	Instrument: GC09.i
Data File #2: \\cash1\acqu\data\GC09\data\020711_r.b\0207R017.D	Vial: 86
Acqu Date: 02/08/2011 00:51	Quant Date: 02/15/2011 14:32
Run Type: IB	Dilution: 1.0
Lab ID: KWG1101442-4	Soln Conc. Units: ng/mL
Signal #1: DB-35MS	Signal #2: DB-XLB

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2	Final Conc. Units:		Rpt
Tetrachloro-m-xylene	0.00		0d	0d		0.0000			NA
			%Recovery =		NA	NA	Limits =	10-135	
Decachlorobiphenyl	0.00		0	0		0.0000			NA
			%Recovery =		NA	NA	Limits =	35-133	

Target Compounds

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1016			0	0	0.0000	0.0000			
Aroclor 1016 {1}			0	0	0.0000	0.0000			
Aroclor 1016 {2}			0	0	0.0000	0.0000			
Aroclor 1016 {3}			0	0	0.0000	0.0000			
Aroclor 1016 {4}			0	0	0.0000	0.0000			
Aroclor 1016 {5}			0	0	0.0000	0.0000			
Aroclor 1221			0	0	0.0000	0.0000			
Aroclor 1221 {1}			0	0	0.0000	0.0000			
Aroclor 1221 {2}			0	0	0.0000	0.0000			
Aroclor 1221 {3}			0	0	0.0000	0.0000			
Aroclor 1221 {4}			0	0	0.0000	0.0000			
Aroclor 1232			0	0	0.0000	0.0000			
Aroclor 1232 {1}			0	0	0.0000	0.0000			
Aroclor 1232 {2}			0	0	0.0000	0.0000			
Aroclor 1232 {3}			0	0	0.0000	0.0000			
Aroclor 1232 {4}			0	0	0.0000	0.0000			
Aroclor 1242			0	0	0.0000	0.0000			
Aroclor 1242 {1}			0	0	0.0000	0.0000			

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 C: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Data File #1:	J:\GC09\DATA\020711.B\0207F017.D	Instrument:	GC09.i
Data File #2:	\\cash1\acqdata\GC09\data\020711_r.b\0207R017.D	Vial:	86
Acqu Date:	02/08/2011 00:51	Quant Date:	02/15/2011 14:32
Run Type:	IB	Dilution:	1.0
Lab ID:	KWG1101442-4	Soln Conc. Units:	ng/mL
Signal #1:	DB-35MS	Signal #2:	DB-XLB

Target Compounds

Final Conc. Units:

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1242 {2}			0	0	0.0000	0.0000			
Aroclor 1242 {3}			0	0	0.0000	0.0000			
Aroclor 1242 {4}			0	0	0.0000	0.0000			
Aroclor 1242 {5}			0	0	0.0000	0.0000			
Aroclor 1248			0	0	0.0000	0.0000			
Aroclor 1248 {1}			0d	0	0.0000	0.0000			
Aroclor 1248 {2}			0d	0	0.0000	0.0000			
Aroclor 1248 {3}			0d	0	0.0000	0.0000			
Aroclor 1248 {4}			0d	0	0.0000	0.0000			
Aroclor 1248 {5}			0d	0	0.0000	0.0000			
Aroclor 1254			0	0	0.0000	0.0000			
Aroclor 1254 {1}			0	0	0.0000	0.0000			
Aroclor 1254 {2}			0	0	0.0000	0.0000			
Aroclor 1254 {3}			0	0	0.0000	0.0000			
Aroclor 1254 {4}			0	0	0.0000	0.0000			
Aroclor 1254 {5}			0	0	0.0000	0.0000			
Aroclor 1260			0	0	0.0000	0.0000			
Aroclor 1260 {1}			0	0	0.0000	0.0000			
Aroclor 1260 {2}			0	0	0.0000	0.0000			
Aroclor 1260 {3}			0	0	0.0000	0.0000			
Aroclor 1260 {4}			0	0	0.0000	0.0000			
Aroclor 1260 {5}			0	0	0.0000	0.0000			
Aroclor 1262			0	0	0.0000	0.0000			
Aroclor 1262 {1}			0	0	0.0000	0.0000			
Aroclor 1262 {2}			0	0	0.0000	0.0000			
Aroclor 1262 {3}			0	0	0.0000	0.0000			
Aroclor 1262 {4}			0	0	0.0000	0.0000			
Aroclor 1262 {5}			0	0	0.0000	0.0000			
Aroclor 1268			0	0	0.0000	0.0000			
Aroclor 1268 {1}			0	0	0.0000	0.0000			
Aroclor 1268 {2}			0	0	0.0000	0.0000			
Aroclor 1268 {3}			0	0	0.0000	0.0000			
Aroclor 1268 {4}			0	0	0.0000	0.0000			
Aroclor 1268 {5}			0	0	0.0000	0.0000			

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 C: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Data File: \\cash1\acqdata\GC09\data\020711.B\0207F017.D
Report Date: 15-Feb-2011 14:32

Laboratory Name

Sample #1 : \\cash1\acqdata\GC09\data\020711.B\0207F017.D
Sample #2 : \\cash1\acqdata\GC09\data\020711_r.b\0207R017.D
Inj Date : 08-FEB-2011 00:51
Sample Info: IB
Misc Info : SEMIVOA GC\W1100957\1-IB.H
Cal Date : 08-FEB-2011 14:51
Operator : JMSmith
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqdata\GC09\data\020711.B\102610_f.m
Method #2 : \\cash1\acqdata\GC09\data\020711_r.b\102610_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
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Data File: \\cashi\acq\data\GC09\data\020711.B\0207F017.D
Date : 08-FEB-2011 00:51

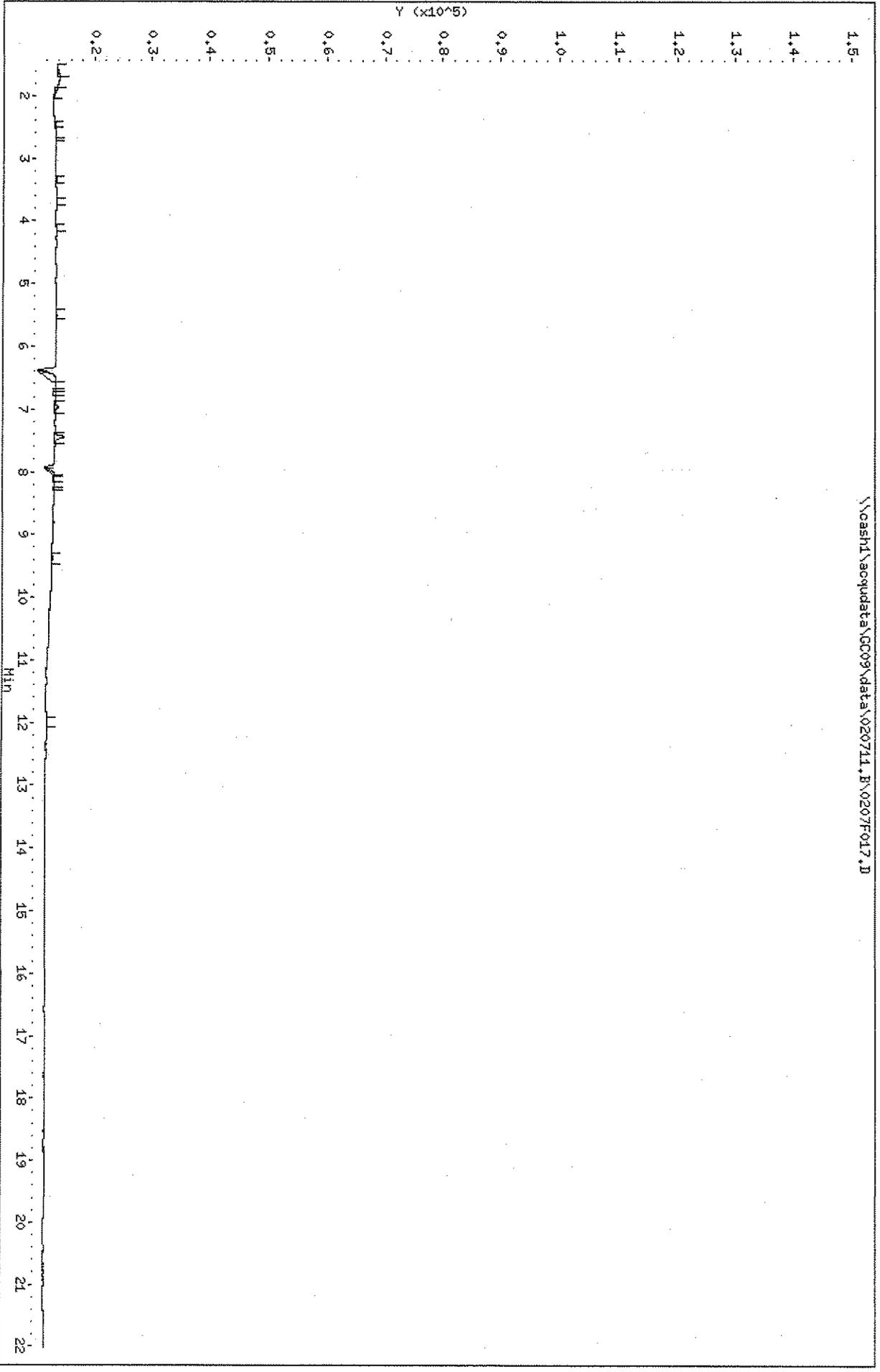
Client ID:
Sample Info: IB

Column phase: DB-35MS

Instrument: GC09.1

Operator: JHSmith
Column diameter: 0.53

\\cashi\acq\data\GC09\data\020711.B\0207F017.D



Data File: \\ncash1\acq\data\GC09\data\020711_r_b\0207R017.D
Date: 08-FEB-2011 00:51

Client ID:

Sample Info: IB

Column phase: DB-XLB

Instrument: GC09.1

Operator: JMSmith

Column diameter: 0.53

\\ncash1\acq\data\GC09\data\020711_r_b\0207R017.D

